

GENERALIZATIONS OF THE NORMAL CURVE OF ERROR

A DISSERTATION

*Submitted in Partial Fulfillment of the Requirements
for the Degree of Doctor of Science
in the
University of Michigan*

By

LUIS R. SALVOSA

1931.

**GENERALIZATIONS OF THE NORMAL
CURVE OF ERROR**

A DISSERTATION

*Submitted in Partial Fulfillment of the Requirements
for the Degree of Doctor of Science
in the
University of Michigan*

By

LUIS R. SALVOSA

EDWARDS BROTHERS, INC.,

Lithoprinters and Publishers
ANN ARBOR, MICHIGAN
(Printed in U. S. A.)

1931

* 22412



FOREWORD

The writer wishes to acknowledge his deep gratitude for help received from many sources. In the well-equipped Statistical Laboratory of the Department of Mathematics he was granted the simultaneous use of as many as twenty calculating machines. Thanks to the kindly co-operation of his fellow students, he was enabled to take full advantage of these facilities for computation of tables. He is especially grateful to Professor Harry C. Carver for suggesting the problem and for kindly criticism and invaluable help throughout the preparation of the paper. He is also indebted to Professors James W. Glover, George Y. Rainich, and James Nyswander for reading the first draft of the paper and for making helpful suggestions.

Digitized by the Internet Archive
in 2026

CONTENTS

PAGE

Introduction	1
--------------------	---

Part I—Pearson's Type III Curve

Chapter 1. Development of Type III Function

a. By means of Bernoulli's Series	5
b. By means of differential Equation	7

Chapter 2. Construction of the Tables

a. Ordinates of the Standardized Type III Function ..	12
b. Derivatives of the Standardized Type III Function..	16
c. Areas of the Standardized Type III Function	17

Chapter 3. Numerical Applications 23 |

Part II—The Derivative Series

Chapter 1. Determination of the Coefficients

a. Method of Moments	29
----------------------------	----

Chapter 2. Frequencies of Variates

a. Discrete Variates	35
b. Continuous Variates	37

Chapter 3. Numerical Applications 43 |

Conclusion	50
------------------	----

Bibliography	52
--------------------	----

Appendix

Table I—Areas of Pearson's Type III Curve

Table II—Ordinates of Pearson's Type III Curve

Table III—Derivatives of Pearson's Type III Curve

INTRODUCTION

It is well recognized that the normal curve of error has played a prominent role in the development of the theory of mathematical statistics. Although it can describe more or less accurately many frequency distributions possessing a limited degree of skewness, there are many others in which it fails. To meet this situation two important methods of representing frequency functions have been devised.

One of these methods is due to the English biometrician, Karl Pearson, who developed a system of generalized "probability" curves. Among the simplest of these curves is Type III, whose equation is $y = y_0 \left(1 - \frac{\alpha_3}{2} t\right)^{\frac{4}{\alpha_3} - 1} e^{-\frac{2}{\alpha_3} t}$, where y_0 and α_3 are constants. It will be shown later that this curve approaches the normal curve of error as a limit when α_3 approaches zero.¹ Pearson, realizing the importance of this generalized curve, published in 1922 his *Tables of the Incomplete Γ -Function*, from which areas under the curve can be obtained. Unfortunately, these tables, unlike those of the normal curve of error, are not tabulated with the standard unit as the argument. Moreover, they do not contain the ordinates, which are useful in plotting frequency curves and essential to the solution of many problems in the theory of probability.

The other important method of representing frequency distributions has been given by Charlier. Extending the researches of Laplace, he has developed two types of frequency curves intended to embrace the majority of frequency distributions. With regard to these two types, he makes the following remarks²:

"A frequency curve may possess one of the following two forms:

"Type A. - If the frequency curve is defined by the equation $y = F(x)$, where x is the measure of the character in question, and y its frequency, and we put $\phi(x) = \frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{x-b}{\sigma}} e^{-\frac{x-b}{\sigma}}$ designating by b and σ two parameters which must be duly deter-

¹ Page 10.

² Page 5, *Reearches into the Theory of Probability*, No. 4, Band I, Series III, Meddelanden fran Lunds Astronomiska Observatorium.

mined, we can represent the frequency curve of Type A¹ through the equation

$$F(x) = A_0 \phi(x) + A_2 \phi^{(2)}(x) + A_4 \phi^{(4)}(x) + \dots$$

where $A_0, A_2, A_4, \dots$ are coefficients independent of x [and $\phi^{(i)}(x)$ is the i th derivative of $\phi(x)$].

"Type B - The frequency curve of the second form may be expressed with the help of the auxiliary function

$$\psi(x) = \frac{e^{-\lambda} \sin \pi x}{\pi} \left(\frac{1}{x} - \frac{\lambda}{1!(x-1)} + \frac{\lambda^2}{2!(x-2)} - \frac{\lambda^3}{3!(x-3)} + \dots \right)$$

where λ is a parameter, and the general form of $F(x)$ is then

$$F(x) = B_0 \psi(x) + B_1 \Delta \psi(x) + B_2 \Delta^2 \psi(x) + \dots$$

where $B_0, B_1, B_2, \dots$ are coefficient independent of x .

"Beyond these two forms no other frequency curves can occur, except those obtained through a superposition (addition) of several curves of the types A and B."

Although Type A has naturally a wider range of applicability than the normal curve of error, it nevertheless fails to afford a satisfactory representation of a great number of frequency distributions. In such cases Type B may be employed.

The generating function, $\psi(x)$, reduces for x an integer to the so-called Poisson exponential binomial limit, $\frac{e^{-\lambda} \lambda^x}{x!}$, which, strictly speaking, is defined only for integral values of x since it con-

1 This type is the well-known Gram-Charlier series. J. P. Gram obtained this series in his doctorate dissertation by employing the method of least squares "Om Raekkevinkelinger, bestemte ved Hjaelp af de mindste Kvadraters Methode," Copenhagen, 1879. From the viewpoint of elementary errors, Charlier obtained the form of this series in *Über das Fehlergesetz*. He determined the parameters by utilizing the method of moments in *Über die Darstellung willkürlicher Functiwen*, Arkiv för Matematik, Astronomi och Fysik, Band 2, No. 8 and 20, 1905.

tains a factorial. A theoretical question arises, therefore, in employing the Poisson exponential in the representation of distributions of continuous variates. Practically, its use in these cases may be justified if the frequencies be treated as though they were those of a distribution of discrete variates. However, since neither the finite nor the infinitesimal integrals of $\psi(x)$ have been tabulated, the frequency of a class resulting from the consolidation of several classes can be obtained by resorting only to some kind of mechanical quadrature.

The object of this paper, therefore, is to provide tables of ordinates and areas of Pearson's Type III curve that will enable one to obtain readily an isolated frequency or the sum of the frequencies between any two limits of the theoretical distribution that can be represented by the Type III curve. Furthermore, there will be furnished tables of derivatives of this more effective type that will permit its utilization as a generating function in an expansion corresponding to the Gram-Charlier series. In general, the more closely the generating function approximates the function to be graduated, the more rapidly the derivative series converges.

PART I

Pearson's Type III Function

CHAPTER I

DEVELOPMENT OF TYPE III FUNCTION

(a) *By Means of Bernoulli's Series*

One may consider first the Bernoulli's series

$$(1) \quad (q + p)^r = \sum_{x=0}^r \binom{r}{x} q^{r-x} p^x$$

where p denotes the probability that an event will happen in a single trial and $q = 1 - p$ the probability that it will fail. Representing by $y_x = \binom{r}{x} q^{r-x} p^x$ the ordinate corresponding to x successes (x assuming the values of $0, 1, 2, \dots, r$), one may plot the $(r + 1)$ points (x, y_x) . Through these $(r + 1)$ points one may imagine a curve that can be represented by an analytic function.

Since

$$y_x = \binom{r}{x} q^{r-x} p^x$$

and hence

$$y_{x+1} = \binom{r}{x+1} q^{r-x-1} p^{x+1}$$

one has

$$(2) \quad \frac{y_{x+1}}{y_x} = \frac{r p - p x}{q x + q}$$

This is the difference equation of the continuous curve. From relation (2) it follows that

$$(3) \quad \frac{y_{x+1} - y_x}{y_{x+1} + y_x} = \frac{rp - q - x}{rp + q + (q - p)x}$$

The mean of any two ordinates, y_x and y_{x+1} , will be considered as approximately equal to the ordinate $y_{x+\frac{1}{2}}$, midway between them. The slope of the line joining any two points (x, y_x) and $(x+1, y_{x+1})$ is also approximately equal to the tangent at the point midway between these two on the continuous curve, and the error resulting from this approximation would be zero if the curve were a parabola. Under these two assumptions, equation (3) may be written as

$$(4) \quad \frac{D_x y_{x+\frac{1}{2}}}{y_{x+\frac{1}{2}}} = \frac{2(rp - q - x)}{rp + q + (q - p)x}$$

The right hand of this equation is, therefore, the derivative of $\log y$ at the point $(x + \frac{1}{2}, y_{x+\frac{1}{2}})$. At any point (x, y) , this derivative is

$$\frac{d}{dx} \log y = \frac{2[rp - q - (x - \frac{1}{2})]}{rp + q + (q - p)(x - \frac{1}{2})}$$

i. e.

$$(5) \quad \frac{d}{dx} \log y = -\frac{\frac{q-p}{2} + (x - rp)}{rpq + \frac{1}{4}(x - rp)(q - p)}$$

If one sets

$$\begin{aligned} \frac{q-p}{\sqrt{(rpq)}} &= \alpha_3 \\ \frac{x-rp}{\sqrt{(rpq)}} &= t \end{aligned}$$

the above equation reduces to

$$(6) \quad \frac{d}{dt} \log y = -\frac{\frac{\alpha_3}{2} + t}{1 + \frac{\alpha_3 t}{2} + \frac{1}{4rpq}}$$

If rpq is so large that $\frac{1}{4rpq}$ is relatively insignificant and

may consequently be neglected, equation (6) becomes

$$(7) \quad \frac{d}{dt} \log y = - \frac{\frac{\alpha_2}{2} + t}{1 + \frac{\alpha_2 t}{2}}$$

which upon integration yields Pearson's Type III frequency curve.

$$(8) \quad y = y_0 \left(1 + \frac{\alpha_2}{2} t\right)^{\frac{\alpha_2}{2} - 1} e^{-\frac{\alpha_2}{2} t}$$

Thus, equation (8) has been obtained without resorting to the method of moments.

(b) *By Means of Differential Equation*

Another method¹ of developing Pearson's Type III curve is by means of the differential equation

$$(9) \quad \frac{dy}{dt} = \frac{(a-t)}{f(t)} y,$$

which is suggested by certain characteristics of unimodal frequency distributions. Equation (9) is capable of representing a frequency function of this type, since,

(a) As y approaches zero, the first derivative must also approach zero, and

(b) If the frequency distribution be unimodal between the limits of the distribution, there must be only one value, say $t = a$, for which the derivative is zero.

In equation (9) t denotes the abscissae in units of the standard deviation, and $f(t)$ is a function that does not vanish at any point within the range of the curve. If it be assumed that $f(t)$ is ex-

¹ Carver's "Frequency Curves," Handbook of Mathematical Statistics, by Rietz and others.

pressible as a power series, $b_0 + b_1 t + b_2 t^2 + \dots$, then equation (9) may take the following form:

$$(10) \quad \frac{dy}{dt} = \frac{(a-t)y}{b_0 + b_1 t + b_2 t^2 + \dots}$$

On clearing equation (10) of fractions, multiplying both sides by t^n , and integrating both members with respect to t between the limits $(-l_1, l_2)$, one obtains

$$(11) \quad \begin{aligned} & \left[y (b_0 t^n + b_1 t^{n+1} + b_2 t^{n+2} + \dots) \right]_{-l_1}^{l_2} \\ & - \int_{-l_1}^{l_2} y [n b_0 t^{n-1} + (n+1) b_1 t^n + (n+2) b_2 t^{n+1} + \dots] dt \\ & = \int_{-l_1}^{l_2} (a y t^n - y t^{n+1}) dt, \end{aligned}$$

which can be written in the form

$$(12) \quad a \alpha_n + n b_0 \alpha_{n-1} + (n+1) b_1 \alpha_n + (n+2) b_2 \alpha_{n+1} + \dots = \alpha_{n+1},$$

since the expression in the first bracket vanishes at the limits, and $\int_{-l_1}^{l_2} t^n y dt = \frac{\mu_n}{\sigma^n} = \alpha_n$. It will be noted here that $\alpha_0 = 1$, $\alpha_1 = 0$, and $\alpha_2 = 1$.

If the series $f(t)$ be so rapidly convergent that it would be sufficient to retain the first term only, then from equation (12), on placing successively $n=0, 1, 2, \dots$ one has

$$\begin{aligned} a &= 0 \\ b_0 &= 1 \end{aligned}$$

On substituting these values in equation (10) and then integrating, one obtains

$$(13) \quad y = y_0 e^{-\frac{t^2}{2}}$$

which is the normal curve of error, t being expressed in standard units.

If in the series $f(t)$ the first two terms be retained instead of b_0 only, then equation (12) gives

$$(14) \quad \begin{aligned} a &= -b = -\frac{\alpha_3}{2} \\ b_0 &= 1 \end{aligned}$$

If the values given in equations (14) be substituted in equation (10), then upon integration one obtains

$$(15) \quad y = y_0 \left(1 + \frac{\alpha_2}{2} t \right)^{\frac{t}{\alpha_2} - 1} e^{-\frac{t^2}{2\alpha_2}}$$

This equation is the same as equation (8) and satisfies the conditions imposed, provided $\alpha_2 < \sqrt{2}$

The substitution of the constants (14) in equation (12) yields the following recurrence relation of the functional type III moments:

$$(16) \quad \alpha_{n+1} = n(\alpha_{n-1} + \frac{\alpha_2 \alpha_n}{2})$$

To find the recurrence relation of the functional moments for the normal curve of error, α_2 is set equal to zero and hence relation (16) reduces to the simple relation

$$(17) \quad \alpha_{n+1} = n \alpha_{n-1}$$

since $\alpha_1 = 0$

it follows from relation (17) that

$$(18) \quad \alpha_{2n+1} = 0$$

For the moments of even order one writes from relation (17)

$$(19) \quad \begin{aligned} \alpha_2 &= 1 \\ \alpha_4 &= 3 \\ \alpha_6 &= 5\alpha_4 \\ &\vdots \\ \alpha_{2n} &= 1 \cdot 3 \cdot 5 \cdots (2n-1) = \frac{(2n)!}{2^n n!} \end{aligned}$$

The normal curve of error has been derived by retaining the first term only in the series $f(t)$. However, it can be shown that this curve is the limit of Type III curve as the skewness, α_3 , approaches zero. For, taking the logarithms of both sides of equation (15), one has

$$\log_e y = \log_e y_0 + \left(\frac{4}{\alpha_3^2} - 1 \right) \log_e \left(1 + \frac{\alpha_3}{2} t \right) - \frac{2}{\alpha_3} t,$$

or $\log_e \left(\frac{y}{y_0} \right) = \left(\frac{4}{\alpha_3^2} - 1 \right) \left(\frac{\alpha_3}{2} t - \frac{1}{2} \cdot \frac{\alpha_3^2 t^2}{4} + \frac{1}{3} \cdot \frac{\alpha_3^3 t^3}{8} - \dots \right) - \frac{2}{\alpha_3} t$

$$= -\frac{1}{2} t^2 + f(\alpha_3 t)$$

Therefore,

$$\lim_{\alpha_3 \rightarrow 0} \log_e \left(\frac{y}{y_0} \right) = -\frac{1}{2} t^2$$

or

$$y = y_0 e^{-\frac{1}{2} t^2}$$

which agrees with equation (13).

The constant y_0 in equations (13) and (15) is determined by imposing the condition that

$$(20) \quad y_0 \int_{-\frac{2}{\alpha_3}}^{\infty} \left(1 + \frac{\alpha_3}{2} t \right)^{\frac{4}{\alpha_3^2} - 1} e^{-\frac{2}{\alpha_3} t} dt = 1$$

On introducing z by the relation $z = \frac{2}{\alpha_3} \left(\frac{2}{\alpha_3} + t \right)$ equation (20) becomes

$$y_0 = \frac{1}{\frac{\alpha_3}{2} \left(\frac{\alpha_3^2}{4} \right)^{\frac{4}{\alpha_3^2} - 1} e^{\frac{4}{\alpha_3^2} \int_0^{\infty} z^{\frac{4}{\alpha_3^2} - 1} e^{-z} dz}}$$

Therefore,

$$(21) \quad y_0 = \frac{\left(\frac{4}{\alpha_3^2} \right)^{\frac{4}{\alpha_3^2} - \frac{1}{2}}}{e^{\frac{4}{\alpha_3^2} \Gamma\left(\frac{4}{\alpha_3^2}\right)}} = \frac{n^{n - \frac{1}{2}}}{e^n \Gamma(n)}$$

where

$$n = \frac{4}{\alpha_3^2}$$

With the aid of Sterling's formula, equation (21) can be written as

$$(22) \quad y_o = \frac{1}{\sqrt{2\pi}} e^{-\frac{\alpha_3^2}{48} + \frac{\alpha_3^6}{23040} - \frac{\alpha_3^{10}}{1290240} + \dots}$$

For the normal curve of error, that is when $\alpha_3 = 0$, equation (22) reduces to

$$(23) \quad y_o = \frac{1}{\sqrt{2\pi}}$$

and hence for the foregoing specialization with respect to α_3 equation (15) becomes

$$y = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}}.$$

CHAPTER II

CONSTRUCTION OF THE TABLES

(a) Ordinates of the Standardized Type III Function

The ordinates of the curve are determined from the relation

$$(15) \quad y = y_0 \left(1 + \frac{\alpha_3}{2} t\right)^{\frac{4}{\alpha_3^2} - 1} e^{-\frac{2}{\alpha_3^2} t}$$

The method employed in computing the tabulated values of y will now be discussed. Taking the logarithms of both sides of this equation, one has

$$(24) \quad \log y = \log y_0 - \left(\frac{2}{\alpha_3} \log e\right) t + \left(\frac{4}{\alpha_3^2} - 1\right) \log \left(1 + \frac{\alpha_3}{2} t\right).$$

The foregoing formula is simple, except for the expression, $\log y_0$, which may be calculated either by equation (21) or equation (22), depending on the value of α_3 . Equation (22) may be written as

$$(25) \quad \log y_0 = \log \sqrt{\frac{1}{2\pi}} - \left(\frac{\alpha_3^2}{48} - \frac{\alpha_3^6}{23040} + \frac{\alpha_3^{10}}{1290240} - \dots \right) \log e.$$

If the series in equation (25) be not rapidly convergent, as is the case when α_3 is large, then equation (21) should be used instead of equation (22). By means of the relation

$$\Gamma(n) = \frac{\Gamma(n+1)}{n} = \frac{\Gamma(n+2)}{n(n+1)} = \dots = \frac{\Gamma(n+r)}{n(n+1) \dots (n+r-1)},$$

equation (21) takes the following form:

$$(26) \quad y_0 = \frac{n^{n-\frac{1}{2}}}{e^n 2} \cdot \frac{n(n+1) \dots (n+r-1)}{\Gamma(n+r)},$$

Then, by applying Sterling's formula to the following relation, equation (21) finally reduces to

$$(27) \quad y_0 = \frac{n^{n-\frac{1}{2}}}{e^n \sqrt{2\pi}} \cdot \frac{n(n+1) \cdots (n+r-1)}{\rho^{n-\frac{1}{2}} e^{-\rho + \frac{1}{2\rho} - \frac{1}{240\rho^3} + \cdots}},$$

where $\rho = n + r$, n being equal to $\frac{4}{\alpha_g^2}$. The convergence of the exponential series in this expression depends on the arbitrary choice of r . Taking the logarithms of both members of equation (27) gives

$$(28) \quad \log y_0 = \left(n + \frac{1}{2}\right) \log n + \log(n+1) + \log(n+2) + \cdots + \log(n+r-1) \\ - \left[\log \sqrt{2\pi} + \left(\rho - \frac{1}{2}\right) \log \rho - \left(r - \frac{1}{12\rho} + \frac{1}{360\rho^3} - \cdots \right) \right]$$

After one had determined $\log y_0$ correct to at least ten decimal places for $\alpha_g = 0, .1, . . ., 1.0, 1.1$ by either formula (25) or formula (28), the values of the ordinates,¹ y , correct to the nearest eight significant figures² were computed for t 's varying by tenths. The following tables were employed:

Bauschinger and Peters' Logarithmic Tables with eight decimal places.

Vega's 10-place Vulgar Logarithms.

Vega's 48-place Natural Logarithms.

Anton Steinhauser's Logarithmen Hilfstafeln with twenty decimal places.

It may be remarked here that all the computations involved in the preparation of Tables I, II and III (Appendix) were carried out to eight significant figures independently by two groups of computers. The results were checked, and after all errors had been corrected, were then tabulated to the nearest sixth decimal place. Furthermore, an additional check was obtained for the sum of the ordinates by applying the Euler-Maclaurin sum formula:

1 The values of the ordinates for $\alpha_g = 0$ were taken from W. F. Sheppard's *Tables of the Probability Integral*, Biometrika, Vol. II, pp. 174-190.

2 This means that the results obtained are correct to at least eight decimal places.

$$(29) \sum_{\theta}^{t-h} y_t = \frac{1}{h} \int_{\theta}^t y dt - \frac{1}{2} y_t + \frac{h}{2} y'_t - \frac{h^3}{720} y_t^{(3)} + \frac{h^5}{30240} y_t^{(5)} - \dots \Big]_{\theta}^t$$

where

$$t = \theta + nh \quad , \quad n = 1, 2, \dots$$

$$h = .1$$

$y_t^{(r)}$ = the r th, derivatives at t .

In order to facilitate the use of the tables, it is desirable to determine also the ordinates at intervals of $h=.01$. These could be computed by logarithms as were those for intervals of $h=.1$. Nevertheless, the arithmetical labor involved would be excessive, and naturally the question arises whether these can be determined with sufficient accuracy by interpolation, by employing the ordinates already computed as pivotal values.

After an investigation it was found that, by using Newton's formula with no more than six differences retained, interpolation could be effected with at least seven significant digit accuracy, and the results obtained in much less time than would be consumed if each ordinate were computed directly by logarithms. The formula employed is as follows:

$$(30) \quad u_i = u_{-2} - (i+2)\Delta u_{-2} + (i+2)_2 \Delta^2 u_{-2} - (i+2)_3 \Delta^3 u_{-2} + \dots$$

where

$$(i+2)_r = \frac{(i+2)(i+1) \dots (i+3-r)}{r!}$$

The values of the coefficients of Δ 's are tabulated below:

i	$(i+2)$	$(i+2)_2$	$(i+2)_3$	$(i+2)_4$	$(i+2)_5$	$(i+2)_6$
.1	2.1	1.155	.0385	-.00866250	.00329175	-.00159101
.2	2.2	1.320	.0880	-.01760000	.00633600	-.00295680
.3	2.3	1.495	.1495	-.02616250	.00889525	-.00400286
.4	2.4	1.680	.2240	-.03360000	.01075200	-.00465920
.5	2.5	1.875	.3125	-.03906250	.01171875	-.00488281
.6	2.6	2.080	.4160	-.04160000	.01164800	-.00465920
.7	2.7	2.295	.5355	-.04016250	.01044225	-.00400286
.8	2.8	2.520	.6720	-.03360000	.00806400	-.00295680
.9	2.9	2.755	.8265	-.02066250	.00454575	-.00159101

However, at the extremes of the tables, Newton's formula was not so convenient and effective as the following Taylor's formula:

$$(31) \quad f(t_o \pm i) = f(t_o) \pm \frac{i}{1} f'(t_o) + \frac{i^2}{2!} f''(t_o) \pm \frac{i^3}{3!} f^{(3)}(t_o) + \dots$$

where

$f^{(r)}(t_o)$ = the r th derivative of the function at t_o .

$$f(t_o) = y = y_o \left(1 + \frac{\alpha_2}{2} t\right)^{\frac{4}{\alpha_2} - 1} e^{-\frac{2}{\alpha_2} t}$$

The values of the coefficients in the above formula are as follows:

$\frac{i}{1}$	$\frac{i^2}{2!}$	$\frac{i^3}{3!}$	$\frac{i^4}{4!}$	$\frac{i^5}{5!}$	$\frac{i^6}{6!}$
$\pm .01$	$\bar{4}.500^1$	$\pm \bar{6}.1666^2$	$\bar{9}.4166$	$\pm \bar{12}.8333$	$\bar{14}.1388$
$\pm .02$	$\bar{3}.200$	$\pm \bar{5}.1333$	$\bar{8}.6666$	$\pm \bar{10}.2666$	$\bar{13}.8888$
$\pm .03$	$\bar{3}.450$	$\pm \bar{5}.4500$	$\bar{7}.3375$	$\pm \bar{9}.2025$	$\bar{11}.10125$
$\pm .04$	$\bar{3}.800$	$\pm \bar{4}.1066$	$\bar{6}.1066$	$\pm \bar{9}.8533$	$\bar{11}.5688$
$\pm .05$	$\bar{2}.125$	$\pm \bar{4}.2083$	$\bar{6}.260416$	$\pm \bar{8}.260416$	$\bar{10}.21701388$

It was expedient to employ the foregoing formula inasmuch as the derivatives (Table III, Appendix) involved therein were required

¹ $\bar{4}.500 = .0000500$.

² $\pm \bar{6}.1666 = \pm .0000001666$.

for purposes which will be discussed later in this paper. Where neither Newton's nor Taylor's expansion converged with sufficient rapidity, direct calculation by logarithms was employed.

All interpolated values of ordinates were calculated, checked, and corrected independently by two groups of computers. As an additional check, their sums (with all the sub-totals recorded) were compared with those obtained by the Euler-Maclaurin sum formula (29), where now $h = .01$. Then these decimal values of the ordinates were reduced to the nearest sixth decimal place and tabulated. These tabulations are given in Table II, Appendix.

(b) *Derivatives of the Standardized Type III Function*

Differentiating both sides of equation (8)

$$y = y_0 \left(1 + \frac{\alpha_2}{2}t\right)^{\frac{4}{\alpha_2}-1} e^{-\frac{2}{\alpha_2}t}$$

with respect to t yields

$$(32) \quad y' \left(1 + \frac{\alpha_2}{2}t\right) = -\left(\frac{\alpha_2}{2} + t\right) y.$$

If now Leibnitz's theorem of differentiation be applied to the foregoing equation, the following equation is obtained:

$$(33) \quad y^{(n+1)} = -\frac{\left[(n+1)\frac{\alpha_2}{2} + t\right] y^{(n)} + n y^{(n-1)}}{1 + \frac{\alpha_2}{2}t}$$

When $\alpha_2 = 0$; that is, when the curve is "normal," the preceding equation becomes

$$(34) \quad y^{(n+1)} = -t y^{(n)} - n y^{(n-1)}$$

Equations (33) and (34) were employed as the recurrence relations in computing the first six derivatives¹ for t 's varying by tenths with $\alpha_3 = 0, .1, . . . 1.0, 1.1$. The two independent sets of derivatives thus obtained were checked and corrected. The totals of these derivatives were then taken and compared with those obtained by the Euler-Maclaurin sum formula (29). Finally, the results were reduced to six decimal places and then tabulated (Table III, Appendix).

(c) *Area of the Standardized Type III Function*

The probability integral for Pearson's Type III curve is expressed by the ratio

$$(35) \quad y_0 \int_{-\frac{2}{\alpha_3}}^t (1 + \frac{\alpha_3}{2} t)^{\frac{4}{\alpha_3} - 1} e^{-\frac{2}{\alpha_3} t} dt \div y_0 \int_{-\frac{2}{\alpha_3}}^{\infty} (1 + \frac{\alpha_3}{2} t)^{\frac{4}{\alpha_3} - 1} e^{-\frac{2}{\alpha_3} t} dt,$$

When the skewness (α_3) is zero, the foregoing expression becomes

$$(36) \quad \frac{1}{\sqrt{2\pi}} \int_{-\infty}^t e^{-\frac{t^2}{2}} dt \div \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{t^2}{2}} dt,$$

which is the probability integral for the normal curve of error.

Expression (35) is easily reduced to the form of the Gamma function by substituting therein $x = \frac{2}{\alpha_3} (1 + \frac{\alpha_3}{2} t)$.

It can now be written as

$$(37) \quad \frac{y_0 n^{-n+\frac{1}{2}} e^n \int_0^x x^{n-1} e^{-x} dx}{y_0 e^{-n+\frac{1}{2}} e^n \Gamma(n)} = \frac{\int_0^x x^{n-1} e^{-x} dx}{\Gamma(n)},$$

¹ The values of the derivatives for $\alpha_3 = 0$ from $t = 0$ to $t = 4.00$ were taken from Jorgensen's *Undersogelser over Frequensflader og Korrelation*.

where $n = \frac{4}{\alpha^2}$.

The last integral of the foregoing expression may be evaluated by expanding e^{-z} into a series, which can be integrated term by term. This integration is permissible, for the series thus obtained is uniformly convergent. Thus, one has

$$(38) \quad \frac{1}{\Gamma(n)} \int_0^z z^{n-1} e^{-z} dz = \frac{z^n}{\Gamma(n)} \left[\frac{1}{n} - \frac{z}{n+1} + \frac{z^2}{(n+2)2!} + \dots \right. \\ \left. + \frac{(-1)^r z^r}{(n+r)r!} \right] + R,$$

$$\text{where} \quad R = \frac{(-1)^r}{\Gamma(n)r!} \int_0^z z^{n+r-1} e^{-z} dz$$

The integral $\int_0^z z^{n-1} e^{-z} dz$ may be integrated by parts. Let $u = e^{-z}$ and $v^{(s)} = z^{n-1}$, where $v^{(s)}$ means the s th derivative of v . Then, applying Leibnitz's theorem of integration, one obtains

$$(39) \quad \frac{1}{\Gamma(n)} \int_0^z z^{n-1} e^{-z} dz = \frac{e^{-z} z^n}{\Gamma(n+1)} \left[1 + \frac{z}{n+1} + \frac{z^2}{(n+1)(n+2)} + \dots \right. \\ \left. + \frac{z^{r-1}}{(n+1) \dots (n+r-1)} \right] + R$$

$$\text{where} \quad R = \frac{1}{\Gamma(n) \cdot n(n+1) \dots (n+r)} \int_0^z z^{n-1} e^{-z} dz.$$

This series is convergent for $z \leq 1$. If $z > 1$, the integral $\int_0^z z^{n-1} e^{-z} dz$ may be written as

$$\int_0^z z^{n-1} e^{-z} dz = \int_0^\infty z^{n-1} e^{-z} dz - \int_z^\infty z^{n-1} e^{-z} dz.$$

Now, let $u = z^{n-1}$ and $v^{(s)} = e^{-z}$, and employ integration by parts to reduce the last integral. One thus obtains

$$(40) \quad \frac{1}{\Gamma(n)} \int_0^z z^{n-1} e^{-z} dz = 1 - \frac{e^{-z} z^n}{\Gamma(n)} \left[1 + \frac{(n-1)}{z} + \frac{(n-1)^2}{z^2} + \dots \right. \\ \left. + \frac{(n-1)^r}{z^r} \right] + R,$$

where

$$R = \frac{(-1)^r}{\Gamma(r)} \int_a^b (z^{n-r})^{(r)} v^{(s-r)} dz$$

$$(n-r)_r = (n-1)(n-2) \cdots (n-r)$$

and $(z^{n-r})^{(r)}$ = the r th derivative of z^{n-r}

The series (40) is convergent for all values of $z > 1$.

Formulas (38), (39), and (40) are not always, however, convenient and effective, especially when the computation to be done is extensive. They were employed only for checking some of the results obtained by mechanical quadrature. Convergence from the point of view of pure mathematics means one thing; but rapid convergence, which is essential in many problems dealing with numerical tabulations, is quite another thing.

Various quadrature formulas were tested experimentally and the Euler-Maclaurin sum formula was found best adapted for the calculation of the standardized areas. This formula was employed in the following form:

$$(41) \quad \int_a^b f(t) dt = h \sum_{\theta}^{b-h} f(t) + \left[\frac{h}{2} f(t) - \frac{h^2}{12} f'(t) + \frac{h^4}{720} f^{(3)}(t) \right. \\ \left. - \frac{h^6}{30240} f^{(5)}(t) + \cdots \right]_{t=a}^b + R$$

where $f(t) = y_0 \left(1 + \frac{\alpha_2}{2} t \right)^{\frac{4}{\alpha_2 - 1}} e^{-\frac{2}{\alpha_2} t}$

$$h = .01$$

$$b = a + nh, \quad n = 1, 2, \cdots$$

$f^{(r)}(t)$ $\int_a^b$ the r th derivative of $f(t)$ between the limits a and b

On account of the interval $h = .01$, formula (41) converges rapidly. It was, moreover, expedient because the subtotals of the ordinates had previously been obtained and the derivatives were also available.

Since the standardized areas¹ are to be computed at intervals of $h = .01$, formula (41) will require the derivatives at these intervals. These derivatives need not be calculated, since they can be expressed in terms of those already tabulated by means of Taylor's formula (31), which may be rewritten in the form:

$$(42) \quad f(t_0 + i) = f(t_0) + \frac{i}{1} f'(t_0) + \frac{i^2}{2!} f''(t_0) + \frac{i^3}{3!} f^{(3)}(t_0) + \dots,$$

where

$$f^{(r)}(t) = \text{the } r\text{th derivative of the function at } t_0.$$

$$i = 0 \pm .01, \dots \pm .05.$$

Applying formula (42) to the right-hand member of equation (41) and taking the proper limits, one has the following relations:

$$\begin{aligned} -\frac{h^2}{12} f''(t) \Big|_{t=a}^{b_0} &= -\frac{h^2}{12} \left[f'(t) + \frac{i}{1} f'(t) + \frac{i^2}{2!} f''(t) + \frac{i^3}{3!} f^{(3)}(t) + \frac{i^4}{4!} f^{(4)}(t) + \frac{i^5}{5!} f^{(5)}(t) + \dots \right]_{t=a_0}^{b_0} \\ \frac{h^4}{720} f^{(4)}(t) \Big|_{t=a_0}^{b_0} &= \frac{h^4}{720} \left[f^{(3)}(t) + \frac{i}{1} f^{(3)}(t) + \frac{i^2}{2!} f^{(4)}(t) + \frac{i^3}{3!} f^{(5)}(t) + \dots \right]_{t=a_0}^{b_0} \\ \frac{-h^6}{30240} f^{(6)}(t) \Big|_{t=a_0}^{b_0} &= \frac{-h^6}{30240} \left[f^{(5)}(t) + \frac{i}{1} f^{(5)}(t) + \dots \right]_{t=a_0}^{b_0} \end{aligned}$$

etc.

where

$$a_0 = a \pm i, \quad (i = 0, .01, \dots .05)$$

$$b_0 = b \pm i$$

are multiples of one-tenth nearest to a and b respectively.

After making the proper substitutions of the foregoing values in formula (41) one obtains

¹ The values of the areas for $\alpha_s = 0$ were taken from W. F. Sheppard's *Tables of the Probability Integral*, Biometrika, Vol. II, pp. 174-190.

$$\begin{aligned}
 \int_a^b f(t) dt &= h \sum_{t=a}^{b-h} f(t) + \frac{h}{2} f(t) \Big|_a^b - \left[\frac{h^2}{12} f'(t) + \frac{h^2}{12} \cdot \frac{i}{1} f''(t) \right. \\
 (43) \quad &- \left(\frac{h^4}{720} - \frac{h^2}{12} \cdot \frac{i^2}{2!} \right) f'''(t) - \left(\frac{h^4}{720} \cdot \frac{i}{1} - \frac{h^2}{12} \cdot \frac{i^3}{3!} \right) f^{(4)}(t) \\
 &+ \left(\frac{h^6}{30240} - \frac{h^4}{720} \cdot \frac{i^2}{2!} + \frac{h^2}{12} \cdot \frac{i^4}{4!} \right) f^{(5)}(t) \\
 &\left. + \left(\frac{h^6}{30240} \cdot \frac{i}{1} - \frac{h^4}{720} \cdot \frac{i^3}{3!} + \frac{h^2}{12} \cdot \frac{i^5}{5!} \right) f^{(6)}(t) \right]_{t=a_0}^{b_0}
 \end{aligned}$$

Placing $h = .01$ and denoting the coefficients of $f'(t)$, $f''(t)$, . . . by A , B , . . . respectively, the foregoing formula may be expressed as

$$\begin{aligned}
 \int_a^b f(t) dt &= .01 \sum_{t=a}^{b-.01} f(t) + .005 f(t) \Big|_a^b \\
 (44) \quad &+ \left[A f'(t) + B f''(t) + C f'''(t) + \dots \right]_{t=a_0}^{b_0}
 \end{aligned}$$

where

$f^{(r)}(t) \Big|_{t=a_0}^{b_0}$ = the tabulated r th derivative of $f(t)$ between the limits a_0 and b_0 , which are multiples of one-tenth nearest to a and b respectively.

The foregoing formula converges sometimes so rapidly that the terms after the fifth become insignificant.

If to i in equation (43) the successive values of $0, \pm .01, \pm .02, \dots, \pm .05$ be given, the following values of the coefficients are obtained:

<i>i</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>
.00	-5.833 ¹		+10.13888 ²		-16.33069	
±.01	-5.833	±7.833	-9.40277	±11.12500	-14.28108	±17.4960
±.02	-5.833	±6.166	-8.16527	±10.10833	-13.52811	±15.2044
±.03	-5.833	±6.250	-8.37361	±10.37083	-12.27503	±14.1626
±.04	-5.833	±6.333	-8.66527	±10.88333	-12.87781	±14.6964
±.05	-5.833	±6.416	-7.10427	±9.17292	-11.21528	±13.2141
1. - 5.833 means -.000008333						
2. +10.13888 means .00000000013888						

To indicate the accuracy of the tables of the standardized areas (Tables I, Appendix) some of the values obtained by the Euler-Maclaurin sum formula are compared with those obtained by the other formulas previously mentioned:

α_s	<i>t</i>	Integral	Value obtained by formula 38, 39, or 40	No. of terms used	Value by Euler-Maclaurin Formula	No. of terms used
.2	-.3	$\frac{1}{\Gamma(0.0)} \int_0^{.97} x^{.99} e^{-x} dx$	.3937231 ¹	60	.3937231	3
.2	.2	$\frac{1}{\Gamma(0.0)} \int_0^{.102} x^{.99} e^{-x} dx$	.5917186 ²	49	.5917186	3
.5	-.3	$\frac{1}{\Gamma(1.6)} \int_0^{.4} x^{.15} e^{-x} dx$	.00000489	15	.00000489	3
.5	6.0	$\frac{1}{\Gamma(1.6)} \int_0^{4.0} x^{.15} e^{-x} dx$	.99999454	15	.99999454	3
1.0	-1.94	$\frac{1}{\Gamma(4)} \int_0^{.12} x^3 e^{-x} dx$	.00000785	8	.00000785	6
1.0	1.0	$\frac{1}{\Gamma(4)} \int_0^{.6} x^3 e^{-x} dx$	.84879612	4	.84879612	3
1.0	8.0	$\frac{1}{\Gamma(4)} \int_0^{2.0} x^3 e^{-x} dx$	.99999680	4	.99999680	3

1 Pearson obtained this value by Formula XXVIII, page XV, *Tables of the Incomplete Γ -Function*.

2 Pearson obtained this value by Formula XXV, page XV, *Tables of the Incomplete Γ -Function*.

CHAPTER III

NUMERICAL APPLICATIONS

The use of Table I (Appendix) will now be illustrated by graduating the observed frequency distribution¹ given in Table I.

The mid-point of the class 29.95 - 30.05 was chosen as the provisional mean. Then, by means of the formula

$$v'_0 = \frac{\sum x^0 f(x)}{\sum f(x)}$$

where v'_n denotes the n th unadjusted moment about a provisional mean, the first four moments were calculated. These moments were reduced to those about the mean by the relation

$$v_n = v'_n - \binom{n}{1} v'_{n-1} b + \binom{n}{2} v'_{n-2} b^2 - \binom{n}{3} v'_{n-3} b^3 + \dots$$

where b is the distance between the centroid and the provisional mean. In particular, placing $n = 0, 1, 2 \dots$ successively, it follows that

$$v_0 = 1$$

$$v_1 = 0$$

$$v_2 = v'_2 - b^2$$

$$v_3 = v'_3 - 3v'_2 b + 2b^3$$

etc.

The moments found were then adjusted by employing Sheppard's corrections. From these moments the values of the following expressions were computed:

¹ Pearson's *Tables of the Incomplete Γ -Function*, p. XIX.

TABLE 1

Table Showing Observed Frequency Distribution of
Barometric Heights for 4748 Days at Cambridge

Source of Data: Page XIX, Pearson's Tables of the Incomplete Γ
Function.

Class	Frequency f	$M_0 = 30$ x	
Inches			
28.25 - 28.35	1	-17	$\Sigma f = 4748$ $M_0 = 30.00000000$
28.35 - 28.45	0	-16	$\Sigma xf = -2258$ $b = - .47556866$
28.45 - 28.55	0	-15	$\Sigma x^2 f = 54643$ $\nu'_2 = 11.50863521$
28.55 - 28.65	1	-14	$\Sigma x^3 f = -140405$ $\nu'_3 = - 29.57139848$
28.65 - 28.75	2	-13	$\Sigma x^4 f = 2161393$ $\nu'_4 = 455.22177759$
28.75 - 28.85	6.5	-12	
28.85 - 28.95	10.5	-11	
28.95 - 29.05	23	-10	
29.05 - 29.15	24	- 9	Unadjusted Moments about the Mean:
29.15 - 29.25	63.5	- 8	$\nu_2 = 11.28246966$
29.25 - 29.35	81	- 7	$\nu_3 = - 13.36707430$
29.35 - 29.45	127	- 6	$\nu_4 = 413.05147138$
29.45 - 29.55	213	- 5	
29.55 - 29.65	289	- 4	
29.65 - 29.75	388	- 3	Adjusted Moments about the Mean:
29.75 - 29.85	479.5	- 2	
29.85 - 29.95	537.5	- 1	$\mu_2 = 11.19913633$
29.95 - 30.05	586	0	$\mu_3 = - 13.36707430$
30.05 - 30.15	550	1	$\mu_4 = 407.43940322$
30.15 - 30.25	488	2	
30.25 - 30.35	350.5	3	
30.35 - 30.45	246	4	$\sigma = 3.33465111$
30.45 - 30.55	150	5	$\frac{1}{\sigma} = .29881877$
30.55 - 30.65	85.5	6	$\alpha_3 = - .35666424$
30.65 - 30.75	35	7	
30.75 - 30.85	7.5	8	
30.85 - 30.95	2.5	9	
30.95 - 31.05	0.5	10	

$$\sigma = \sqrt{\mu_2}$$

$$t = \frac{1}{\sigma} (x - b)$$

$$\alpha_g = \frac{\mu_g}{\sigma^g}$$

After determining t and α_g , the observed frequencies were graduated. Table 2 shows the results based on moments adjusted by means of Sheppard's corrections. Table 3 gives the results based on moments calculated by employing Pearson's "modified formula."¹ In Table 3, column (3), are given the results obtained by carrying t to two decimal places and using straight-line interpolation for intermediate values of t , and column (4) contains the corresponding results obtained when t was computed to six decimal places and intermediate values were obtained by straight-line interpolation, while the intermediate values of α_g were derived by fourth-degree parabolic interpolation. Table I (Appendix) was employed in these cases. Column (5) contains Pearson's results obtained by using his *Tables of the Incomplete Γ -Function*. Attention is called to the fact that the results in columns (4) and (5) are almost identical. The values of χ^2 and P in Tables 2 and 3 were obtained by employing Pearson's χ^2 —test of "goodness of fit,"² where P is defined as the "probability that random sampling would lead to as large or larger deviation between theory and observation."

To illustrate further the use of the tables (Appendix), the following examples³ are given:

(1) Given a distribution of weights for which $M_x = 138.65$ lbs., $\sigma = 17.8$ and $\alpha_g = .9$. Required the expected number of individuals in a group of 1000 who weigh less than 119.75 lbs.

$$\text{Here, } t = -\frac{138.9}{17.8} = -1.06$$

$$\alpha_g = .9$$

1 Philosophical Transactions of the Royal Society of London, Vol. 185 (A), p. 350, 1895.

2 Pearson's *Tables for Statisticians and Biometricians*, pp. XXXI, 26-28.

3 From *Introduction to Mathematical Statistics*, by Glover and Carver.

TABLE 2

Table Showing the Successive Steps in Graduating the Distribution of Barometric Heights for 4748 Days at Cambridge

Lower Limits of Class Interval x $t =$			Graduated Unit Frequencies	Graduated Frequencies	Observed Frequencies
(1)	(2)	(3)	(4)	(5)	(6)
-17.5	-5.087	.999979	.000026		1
-16.5	-4.788	.999953	.000059		0
-15.5	-4.490	.999894	.000125	1	0
-14.5	-4.191	.999769	.000264	1	1
-13.5	-3.892	.999505	.000538	2 ¹	2
-12.5	-3.593	.998967	.001065	5	6.5
-11.5	-3.294	.997902	.002042	10	10.5
-10.5	-2.995	.995860	.003763	18	23
- 9.5	-2.697	.992097	.006726	32	24
- 8.5	-2.398	.985371	.011516	55	63.5
- 7.5	-2.099	.973855	.018867	90	81
- 6.5	-1.800	.954988	.029470	140	127
- 5.5	-1.501	.925518	.043535	207	213
- 4.5	-1.203	.881983	.061212	291	289
- 3.5	- .904	.820771	.080724	383	388
- 2.5	- .605	.740047	.099538	473	479.5
- 1.5	- .306	.640509	.114006	541	537.5
- 0.5	- .007	.526503	.120354	571	586
0.5	.292	.406149	.115690	549	550
1.5	.590	.290459	.101205	481	488
2.5	.889	.189254	.078729	374	350.5
3.5	1.188	.110525	.053817	255 ¹	246
4.5	1.487	.056708	.031732	151	150
5.5	1.786	.024976	.015750	75	85.5
6.5	2.084	.009226	.006471	31	35
7.5	2.383	.002755	.002109	10	7.5
8.5	2.682	.000646	.000530	3 ²	2.5
9.5	2.981	.000116	.000100		.5
x^2				12.55	
P				.97	

1 - True values are 2.55 and 255.52 respectively

2 - Includes values beyond $t = 2.682$

From Table I one obtains .126582. Hence, the expected number of individuals weighing less than 119.75 pounds is 127.

(2) The mean, standard deviation, and skewness for the distribution of the weights of 10,701 individuals are 130.44 pounds, 14.67 pounds, and .58 respectively. Required the expected number weighing more than 149.5 pounds.

$$t = 1.30$$

$$\alpha_g = .58$$

From Table I, one has for the distribution lying below $t = 1.30$:

$$.896602 \text{ for } \alpha_g = .5$$

$$.895931 \text{ for } \alpha_g = .6$$

By straight-line interpolation one obtains

$$.896065 \text{ for } \alpha_g = .58$$

Hence, the required number of individuals weighing more than 149.5 pounds is 1,112.

(3) Required the probability that exactly 762 individuals will die within one year in a population of 100,000 for which $q = .008$.

Here,

$$M_x = sq = 800, \quad s = 100,000$$

$$\sigma = \sqrt{sqq} = 28.1709$$

$$\alpha_g = \frac{p-q}{\sigma} = .03493$$

$$\therefore t = -1.3489$$

Let f_t denote the ordinates, Table II (Appendix), of the standardized frequency curves, and P_x the required probability, which is given by $\frac{1}{\sigma} f_t$.

By interpolation one obtains from Table II:

$$\begin{aligned} f_{-1.3489} &= .160622 \text{ when } \alpha_3 = 0 \\ &= .164939 \text{ when } \alpha_3 = .1 \\ &= .162130 \text{ when } \alpha_3 = .03493 \end{aligned}$$

Hence,

$$P_x = \frac{1}{\sigma} f_t = .005755$$

which result agrees to six decimal places with that obtained by a laborious computation based on Stirling's formula.

In applying Pearson's *Tables of the Incomplete Γ Function* one is impressed by the inconvenience resulting from the fact that the parameters of the tables are not expressed in standard units, the units that are now universally used by statisticians. Instead, the parameters employed by Pearson are u and p where

$$p = \frac{4\mu_2^3}{\mu_3^2} - 1$$

$$u = \frac{x'}{\sqrt{p+1}}$$

and

$$x' = \frac{2\mu_2}{\mu_3} \left(M_x + \frac{2\mu_2^2}{\mu_3} - b \right)$$

The areas under the frequency curves in Pearson's tables are given for intervals of one-tenth in the arguments u and p , whereas in Tables I and II (Appendix) the corresponding areas and also the ordinates are tabulated for intervals of one-hundredth in the argument t and for intervals of one-tenth in the parameter α_3 .

PART II

The Derivative Series

CHAPTER I

DETERMINATION OF THE COEFFICIENTS

(a) *Method of Moments*

Let $f(x)$ be the functional law governing an observed statistical distribution of unit frequency; that is, the area under the curve over the entire range of the distribution from $-\ell_1$ to ℓ_2 as represented by the integral $\int_{-\ell_1}^{\ell_2} f(x) dx$ is unity. If $f(x)$ can be approximated roughly by some simple frequency function, it is but natural to seek a better approximation by means of an expansion containing this function as the first term. Let this expansion be

$$(45) \quad f(x) = c_0 \phi(x) + c_1 \phi'(x) + c_2 \phi''(x) + \dots + c_r \phi^{(r)}(x)$$

where $\phi(x)$ is the generating function also of unit frequency, $\phi^{(i)}(x)$ is the i th derivative, and the c_i ($i = 0, 1, \dots, r$) are constants to be determined. The form of expression that is employed in the derivative series (45) was chosen in order to secure simplicity in subsequent algebraic and numerical derivations.

After both sides of the equation (45) are multiplied by x^n , x being measured from some arbitrary origin, and integrated with respect to x between the limits $(-\ell_1, \ell_2)$ equation (45) becomes

$$(46) \quad \int_{-\ell_1}^{\ell_2} x^n f(x) dx = c_0 \int_{-\ell_1}^{\ell_2} x^n \phi(x) dx + \sum_{i=1}^r c_i \int_{-\ell_1}^{\ell_2} x^n \phi^{(i)}(x) dx.$$

But, by successive integration by parts, the integral

$$\begin{aligned}
 (47) \quad c_i \int_{-\ell_1}^{\ell_2} x^n \phi^{(i)}(x) dx &= c_i \left[x^n \phi^{(i-1)}(x) - n x^{n-1} \phi^{(i-2)}(x) + \dots \right. \\
 &\quad \left. + (-1)^{k-1} n^{(k-1)} x^{n-k+1} \phi^{(i-k)}(x) \right]_{-\ell_1}^{\ell_2} \\
 &\quad + c_i (-1)^k n^{(k)} \int_{-\ell_1}^{\ell_2} x^{n-k} \phi^{(i-k)}(x) dx,
 \end{aligned}$$

where

$$n^{(k)} = n(n-1) \dots (n-k+1), \quad k=1, 2, \dots, < n$$

If the function $\phi(x)$ and its derivatives when multiplied by x^{n-k} ($n > k$) vanish at the limits $(-\ell_1, \ell_2)$ equation (47) may be reduced to

$$\begin{aligned}
 (48) \quad c_i \int_{-\ell_1}^{\ell_2} x^n \phi^{(i)}(x) dx &= c_i (-1)^k n^{(k)} \int_{-\ell_1}^{\ell_2} x^{n-k} \phi^{(i-k)}(x) dx \\
 &= c_i (-1)^i n^{(i)} \int_{-\ell_1}^{\ell_2} x^{n-i} \phi(x) dx, \quad \text{if } k=i
 \end{aligned}$$

Therefore, equation (46) may be written

$$(49) \quad \int_{-\ell_1}^{\ell_2} x^n f(x) dx = c_0 \int_{-\ell_1}^{\ell_2} x^n \phi(x) dx + \sum_{i=1}^r c_i (-1)^i n^{(i)} \int_{-\ell_1}^{\ell_2} x^{n-i} \phi(x) dx$$

The n th moment of unit frequency about a provisional mean is defined as:

$$(50) \quad \mu'_n = \frac{\int_{-\ell_1}^{\ell_2} x^n f(x) dx}{\int_{-\ell_1}^{\ell_2} f(x) dx} = \frac{\int_{-\ell_1}^{\ell_2} x^n \phi(x) dx}{\int_{-\ell_1}^{\ell_2} \phi(x) dx},$$

since by hypothesis $\int_{-\ell_1}^{\ell_2} \phi(x) dx = 1$.

Denoting by μ'_n the n th moment of a statistical distribution about a provisional mean and by m'_n , that of a generating function

about the same provisional mean, equation (49) finally reduces to

$$(51) \mu'_n = c_0 m'_n - c_1 n m'_{n-1} + c_2 n^{(2)} m'_{n-2} + \dots + (1)^r c_r n^{(r)} m'_{n-r}$$

Placing $n=0, 1, 2, \dots$ successively in the preceding relation and observing that $\mu'_0 = m'_0 = 1$, the following relations are obtained:

$$\mu'_0 = c_0$$

$$\mu'_1 = c_0 m'_1 - c_1$$

$$\mu'_2 = c_0 m'_2 - 2c_1 m'_1 + 2c_2$$

$$\mu'_3 = c_0 m'_3 - 3c_1 m'_2 + 6c_2 m'_1 - 6c_3$$

$$\mu'_4 = c_0 m'_4 - 4c_1 m'_3 + 12c_2 m'_2 - 24c_3 m'_1 + 24c_4$$

$$\mu'_5 = c_0 m'_5 - 5c_1 m'_4 + 20c_2 m'_3 - 60c_3 m'_2 + 120c_4 m'_1 - 120c_5$$

$$\mu'_6 = c_0 m'_6 - 6c_1 m'_5 + 30c_2 m'_4 - 120c_3 m'_3 + 360c_4 m'_2 - 720c_5 m'_1$$

$$+ 720c_6$$

etc.

If now the foregoing equations be solved for $c_0, c_1, \dots$, the following values of the c_i will be obtained:

$$c_0 = 1$$

$$c_1 = -(\mu'_1 - m'_1)$$

$$(52) \quad c_2 = \{\mu'_2 - m'_2 - 2m'_1(\mu'_1 - m'_1)\} \div 2!$$

$$c_3 = -\{\mu'_3 - m'_3 + 6m_2'^2(\mu'_1 - m'_1) + 3(2m'_1 m'_2 - m'_1 \mu'_2 - \mu'_1 m'_2)\} \div 3!$$

$$c_4 = \{ \mu'_4 - m'_4 + 12m'_1{}^2(\mu'_2 - 3m'_2) - 6m'_2(\mu'_2 - m'_2) \\ + 8m'_1m'_3 - 4m'_1\mu'_3 - 4m'_3\mu'_1 + 24\mu'_1m'_1m'_2 - 24m'_1{}^3(\mu'_1 - m'_1) \} \div 4!$$

$$c_5 = -\{ \mu'_5 - m'_5 - 5m'_1(\mu'_4 - m'_4) + 20m'_1{}^2(\mu'_3 - m'_3) - 10m'_2(\mu'_3 - m'_3) \\ + (60m'_1m'_2 - 60m'_1{}^3 - 10m'_3)(\mu'_2 - m'_2 - 2\mu'_1m'_1 + 2m'_1{}^2) \\ - (60m'_1{}^2m'_2 + 5m'_4 - 30m'_2 - 20m'_1m'_3)(\mu'_1 - m'_1) \} \div 5!$$

$$c_6 = \{ \mu'_6 - m'_6 + 30m'_1{}^2(\mu'_4 - m'_4) - 15m'_2(\mu'_4 - m'_4) - 6m'_1(\mu'_5 - m'_5) \\ - (720m'_1{}^3 + 120m'_3 - 720m'_1m'_2)(2\mu'_3 - 6\mu'_2m'_1 + 12\mu'_1m'_1{}^2 \\ - 6\mu'_1m'_2 - 12m'_1{}^3 + 12m'_1m'_2 - 2m'_3) + (360m'_1{}^2m'_2 + 30m'_4 \\ - 120m'_1m'_3 - 180m'_2{}^2)(6m'_2 - 6\mu'_2 + 12\mu'_1m'_1 - 12m'_1{}^2) \\ - (120m'_1{}^2m'_3 + 6m'_5 - 30m'_1m'_4 - 60m'_2m'_3)(12\mu'_1 - 12m'_1) \} \div 6!$$

and in general

$$c_n = \frac{D'_n}{D_n}$$

where

$$D_n = \begin{vmatrix} 1 & 0 & 0 & 0 & 0 \\ m'_1 & -1 & 0 & 0 & 0 \\ m'_2 & -2m'_1 & 2 & 0 & 0 \\ \dots & \dots & \dots & \dots & \dots \\ m'_n & -nm'_{n-1} & n^{(2)}m'_{n-2} & -n^{(3)}m'_{n-3} & +(-1)^n n^{(n)} \end{vmatrix} \\ = (-1)^{n(n+1)/2} \cdot 2! 3! \dots (n-1)! n!$$

and D'_n is the determinant obtained from D_n by replacing the n th column by the elements: $1, \mu'_1, \mu'_2, \dots, \mu'_n$.

In order to convert the moments just determined, which are about a provisional mean, to those about the mean of the distribution, it is

desirable to make use of the relations deduced below. Let M represent the distance between the axis of moments through a provisional mean and the axis through the mean or centroid of the curve; let x' represent the distance between an ordinate $y = F(x)$ of the frequency function and the axis of moments; and let x represent the distance between the same ordinate and the axis through the mean. Then it follows that

$$x' = x + M$$

$$(x')^n = (x + M)^n$$

and therefore

$$(53) \quad \int_{-l_1}^{l_2} x'^n y dx = \int_{-l_1}^{l_2} (x + M)^n y dx$$

Expanding $(x + M)^n$ and integrating both sides of the equation over the entire range of the curve, one obtains the relation,

$$(54) \quad \mu'_n = \mu_n + \binom{n}{1} \mu_{n-1} M + \binom{n}{2} \mu_{n-2} M^2 + \dots + \binom{n}{r} \mu_{n-r} M^r + \dots$$

On substituting $n = 0, 1, \dots$ successively in this equation the following relations are then obtained:

$$\mu'_0 = \mu_0 = 1$$

$$\mu'_1 = M$$

$$\mu'_2 = \mu_2 + M^2$$

$$\mu'_3 = \mu_3 + 3\mu_2 M + M^3$$

etc.

In this paper the following symbols will be adopted:

b = the distance between the axis of moments through a provisional mean and the axis through the mean of the theoretical distribution.

d = the distance between the axis of moments and the axis through the mean of the curve of the generating function.

$\sigma = \sqrt{\mu_2}$, the standard deviation of the theoretical distribution.

$s = \sqrt{m_2}$, the standard deviation of the generating function.

$$\alpha_n = \frac{\mu_n}{\sigma^n}$$

$$a_n = \frac{m_n}{s^n}$$

From equations (52) and (54) one derives the following values of the c_i :

$$\begin{aligned}
 c_0 &= 1 \\
 c_1 &= -(b-d) \\
 c_2 &= \{ \mu_2 - m_2 + (b-d)^2 \} \div 2! \\
 c_3 &= - \{ \mu_3 - m_3 - d(\mu_2 - m_2) + (b-d)^3 \} \div 3! \\
 c_4 &= \{ \mu_4 - m_4 + 4(b-d)(\mu_3 - m_3) + 6(\mu_2 - m_2)(b-d)^2 - m_2 \\
 &\quad - (b-d)^4 \} \div 4! \\
 c_5 &= - \{ \mu_5 - m_5 + 5(b-d)(\mu_4 - m_4) + 10(b-d)^2(\mu_3 - m_3) \\
 &\quad + 10(b-d)^3(\mu_2 - m_2) - 30(b-d)m_2(\mu_2 - m_2) \\
 &\quad - 10(\mu_2 - m_2)m_3 - 10m_2(\mu_3 - m_3) + (b-d)^5 \} \div 5! \\
 (55) \quad c_6 &= \{ \mu_6 - m_6 + 6(b-d)(\mu_5 - m_5) - 15m_2(\mu_4 - m_4) \\
 &\quad - 15(1-b^4)(\mu_2 - m_2) + 15(b-d)^2(\mu_4 - m_4) \\
 &\quad - 2m_3(\mu_3 - m_3) - 60(b-d)(\mu_3 m_2 + \mu_2 m_3 - 2m_2 m_3) \\
 &\quad - 60bd(b-d)(\mu_3 - m_3) - 90[(b-d)^2 d^2]m_2(\mu_2 - m_2) \\
 &\quad - 60bd(b-d)(b+4d)m_2 + 135d^4(\mu_2 - m_2) \\
 &\quad - 15\mu_2[4d(b-d)(b^2 + d^2) - 2b^2 d^2] - 30d^4 m_2 \\
 &\quad - 90m_2(\mu_2 - m_2)(2d + 2d^3 - m_2 - 3) \\
 &\quad - 90m_2(b-d)^2(2d - 3) + (b-d)^6 \\
 &\quad - 18d^3(b-d)^2(10 - 9d - b) \} \div 6!
 \end{aligned}$$

etc.

CHAPTER II

FREQUENCIES OF VARIATES

(a) *Discrete Variates*

For discrete variates the frequencies of $f(x)$ between any two values of x are found by summing the ordinates between these two values. Thus, on summing equation (45) from k'_1 to k'_2 , one has

$$(56) \quad \sum_{k'_1}^{k'_2} f(x) = \sum_{k'_1}^{k'_2} [c_0 \phi(x) + c_1 \phi'(x) + \dots + c_r \phi^{(r)}(x) + \dots]$$

where $k'_2 - k'_1 = nh$

and the summation is taken over the n equal intervals of length h . All summations in subsequent discussion are to be interpreted as applying to equal intervals, h , of the argument t .

If now the Euler-Maclaurin sum formula be applied to each term of the right-hand member of equation (56), one obtains:

$$(57) \quad \begin{aligned} c_0 \sum_{k'_1}^{k'_2} \phi(x) &= c_0 \left[\int \phi(x) dx - \frac{1}{2} \phi(x) + \frac{h}{12} \phi'(x) - \frac{h^3}{720} \phi^{(3)}(x) + \frac{h^5}{30240} \phi^{(5)}(x) + \dots + R_0 \right]_{x=k'_1}^{k'_2+h} \\ c_1 \sum_{k'_1}^{k'_2} \phi'(x) &= c_1 \left[\frac{1}{h} \phi(x) - \frac{1}{2} \phi'(x) + \frac{h}{12} \phi^{(2)}(x) - \frac{h^3}{720} \phi^{(4)}(x) + \frac{h^5}{30240} \phi^{(6)}(x) + R_1 \right]_{x=k'_1}^{k'_2+h} \\ c_2 \sum_{k'_1}^{k'_2} \phi^{(2)}(x) &= c_2 \left[+ \frac{1}{h} \phi'(x) - \frac{1}{2} \phi^{(2)}(x) + \frac{h}{12} \phi^{(3)}(x) - \frac{h^3}{720} \phi^{(5)}(x) + \dots + R_2 \right]_{x=k'_1}^{k'_2+h} \\ c_3 \sum_{k'_1}^{k'_2} \phi^{(3)}(x) &= c_3 \left[+ \frac{1}{h} \phi^{(2)}(x) - \frac{1}{2} \phi^{(3)}(x) + \frac{h}{12} \phi^{(4)}(x) - \frac{h^3}{720} \phi^{(6)}(x) + \dots + R_3 \right]_{x=k'_1}^{k'_2+h} \\ c_4 \sum_{k'_1}^{k'_2} \phi^{(4)}(x) &= c_4 \left[+ \frac{1}{h} \phi^{(3)}(x) - \frac{1}{2} \phi^{(4)}(x) + \frac{h}{12} \phi^{(5)}(x) + \dots + R_4 \right]_{x=k'_1}^{k'_2+h} \\ c_5 \sum_{k'_1}^{k'_2} \phi^{(5)}(x) &= c_5 \left[+ \frac{1}{h} \phi^{(4)}(x) - \frac{1}{2} \phi^{(5)}(x) + \frac{h}{12} \phi^{(6)}(x) + R_5 \right]_{x=k'_1}^{k'_2+h} \\ c_6 \sum_{k'_1}^{k'_2} \phi^{(6)}(x) &= c_6 \left[+ \frac{1}{h} \phi^{(5)}(x) - \frac{1}{2} \phi^{(6)}(x) + \dots + R_6 \right]_{x=k'_1}^{k'_2+h} \end{aligned}$$

On summing the foregoing equations, one obtains the following form for equation (56):

$$\begin{aligned}
 \sum_{h_i}^{h_2} f(x) &= \frac{1}{h} \int_{h_i}^{h_2+h} \phi(x) dx - \left(\frac{c_0}{2} - \frac{c_1}{h} \right) \phi(x) + \left(\frac{c_0 h}{12} - \frac{c_1}{2} + \frac{c_2}{h} \right) \phi'(x) \\
 &+ \left(\frac{c_1 h}{12} - \frac{c_2}{2} + \frac{c_3}{h} \right) \phi''(x) - \left(\frac{c_0 h^3}{720} - \frac{c_2 h}{12} + \frac{c_3}{2} - \frac{c_4}{h} \right) \phi'''(x) \\
 (58) \quad &- \left(\frac{c_1 h^3}{720} - \frac{c_3 h}{12} + \frac{c_4}{2} - \frac{c_5}{h} \right) \phi^{(4)}(x) + \left(\frac{c_0 h^5}{30240} - \frac{c_2 h^3}{720} + \frac{c_4 h}{12} - \frac{c_5}{2} + \frac{c_6}{h} \right) \phi^{(5)}(x) \\
 &+ \left(\frac{c_1 h^5}{30240} - \frac{c_3 h^3}{720} + \frac{c_5 h}{12} - \frac{c_6}{2} + \frac{c_7}{h} \right) \phi^{(6)}(x) + R \Big]_{x=h_i}^{h_2+h}
 \end{aligned}$$

By means of the following relations,

$$\begin{aligned}
 t &= \frac{x-M}{s} \\
 (59) \quad \phi(x) &= \theta(t) \\
 \phi^{(n)}(x) &= \frac{1}{s^n} \theta^{(n)}(t)
 \end{aligned}$$

in which M denotes the mean and s the standard deviation, of the distribution, formula (56), expressed in standard units, becomes

$$\begin{aligned}
 \sum_{h_i}^k y_t &= \frac{s}{h} \int_{h_i}^{h_2+h} \theta(t) dt - \left(\frac{c_0}{2} - \frac{c_1}{h} \right) \theta(t) + \left(\frac{c_0 h}{12} - \frac{c_1}{2} + \frac{c_2}{h} \right) \frac{\theta'(t)}{s} \\
 &+ \left(\frac{c_1 h}{12} - \frac{c_2}{2} + \frac{c_3}{h} \right) \frac{\theta''(t)}{s^2} - \left(\frac{c_0 h^3}{720} - \frac{c_2 h}{12} + \frac{c_3}{2} - \frac{c_4}{h} \right) \frac{\theta'''(t)}{s^3} \\
 (60) \quad &- \left(\frac{c_1 h^3}{720} - \frac{c_3 h}{12} + \frac{c_4}{2} - \frac{c_5}{h} \right) \frac{\theta^{(4)}(t)}{s^4} \\
 &+ \left(\frac{c_0 h^5}{30240} - \frac{c_2 h^3}{720} + \frac{c_4 h}{12} - \frac{c_5}{2} + \frac{c_6}{h} \right) \frac{\theta^{(5)}(t)}{s^5} \\
 &+ \left(\frac{c_1 h^5}{30240} - \frac{c_3 h^3}{720} + \frac{c_5 h}{12} - \frac{c_6}{2} + \frac{c_7}{h} \right) \frac{\theta^{(6)}(t)}{s^6} + R \Big]_{t=h_i}^{k_2+h}
 \end{aligned}$$

where k_1 and k_2 are the corresponding limits expressed in standard units and h is the interval of the arguments of the table.

(b) *Continuous Variates*

For the case of continuous variates the frequency between the limits k_1 and k_2 becomes

$$(61) \int_{h_1}^{h_2} f(x) dx = \int_{h_1}^{h_2} \varphi(x) dx + \sum_{i=1}^r c_i \varphi^{i-1}(x) \Big|_{x=h_1}^{x=h_2}$$

To express this equation in standard units, let $\sigma t' + M'$ be substituted for x in the left side and $st + M$ for x in the right member of (61), σ and s denoting the standard deviations of the theoretical distribution and of the expansion respectively. Then, it follows that

$$(62) \frac{1}{s} \int_{-h_1}^{h_2} f(x) dx = \frac{\sigma}{s} \int_{-\ell_1'}^{\ell_2'} \psi(t') dt' = \int_{-\ell_1}^{\ell_2} \theta(t) dt + \sum_{i=1}^r a_i \theta^{i-1}(t) \Big|_{t=-\ell_1}^{t=\ell_2}.$$

where $a_i = \frac{c_i}{s^i}$

and $(-\ell_1', \ell_2')$ and $(-\ell_1, \ell_2)$ are the limits in standard units corresponding to (k_1, k_2) .

The main advantage of using formula (62) in graduating an observed statistical distribution lies in the fact that the values of d , s and $\bar{a}_3$ of the generating function are not necessarily the same as those of b , σ and α_3 , respectively, of the observed distribution. When these values of d , s and $\bar{a}_3$ are arbitrarily selected the following considerations should be kept in mind.

(a) If possible d and s should be chosen so that the values of t may be expressed as multiples of one-tenth or one-hundredth. Ordinarily this can be done.

(b) The selected value of $\bar{a}_3$ should be a multiple of one-tenth.

(c) The values of d , s , and $\bar{a}_3$ should be as close as possible to those of b , σ and α_3 respectively. The purpose of the first two considerations is to eliminate interpolation in the process of gradua-

tion by employing Tables I, II, and III (Appendix); that of the third is to minimize in the derivative series the number of correctional terms necessary for obtaining satisfactory results. It is believed that this method of graduation is new.

In order to determine the limiting values of $\bar{a}_3$, one may consider again the equation of Pearson's Type III curve:

$$y = y_0 \left(1 + \frac{\alpha_3}{2} t\right)^{\frac{4}{3}-1} e^{-\frac{2}{\alpha_3} t}$$

from which it is evident that $y = 0$ for $t = -\frac{2}{\alpha_3}$. If the point $t = -\frac{2}{\alpha_3}$ is taken as the origin, it follows at once from the definition of t ,

$$t = \frac{x - M}{\sigma},$$

that

$$t = -\frac{2}{\alpha_3} = -\frac{M}{\sigma}$$

$$\alpha_3 = \frac{2\sigma}{M}$$

Hence, for a generating function whose skewness is $\bar{a}_3$, the relation:

$$\bar{a}_3 \geq \frac{2s}{d}$$

must be satisfied. It will be recalled that σ is the distance between the provisional mean and the centroid and that s is the standard deviation of the generating function.

Theoretically it would be desirable to choose $\bar{a}_3 = \alpha_3$; however, this choice would ordinarily involve a tremendous amount of labor in subsequent numerical calculations. In order to secure approximately this agreement between $\bar{a}_3$ and α_3 and at the same time to insure relative simplicity in the numerical computations without diminishing the values of the frequencies at the beginning of the distribution, it is usually preferable to take $\bar{a}_3$ equal to the largest multiple of one-tenth that is less than α_3 .

In the following derivation Pearson's Type III function

$$y = y_0 \left(1 + \frac{\alpha_3}{2} t\right)^{\frac{4}{3}-1} e^{-\frac{2}{\alpha_3} t}$$

will be used as the generating function for the development of the derivative series. This function satisfies the conditions that it vanishes

at the limits $t = -2/\alpha_3$ and $t = \infty$, and that the derivatives of the function when multiplied by t^n also vanish at ∞ . In order to investigate the values of α_3 for which derivatives of the function when multiplied by t^n vanish at the limit $t = -2/\alpha_3$, the n th derivative of the foregoing equation will be considered. In obtaining this limiting value of α_3 , it is sufficient to retain, in the n th derivative, only the factor

$$\left(1 + \frac{\alpha_3}{2} t\right)^{\frac{4}{\alpha_3^2} - n + 1},$$

in which the exponent of $\left(1 + \frac{\alpha_3}{2} t\right)$ is the smallest. To make the n th derivative vanish at $t = -2/\alpha_3$, it is necessary that

$$\frac{4}{\alpha_3^2} - n + 1 > 0,$$

from which it follows that α_3 must satisfy the inequality

$$\alpha_3 < \sqrt{4/(n+1)}$$

The coefficients, c_r , of the derivative series (45)

$$f(x) = c_0 \phi(x) + c_1 \phi'(x) + \cdots + c_r \phi^{(r)}(x)$$

will be obtained by imposing the condition that the theoretical distribution and the derivative series have the same mean and standard deviation. Then, since $b = d$ and $\mu_2 = m_2$, one derives from equation (55) the following values of the c_r :

$$c_0 = 1$$

$$c_1 = 0$$

$$(64) \quad c_2 = 0$$

$$c_3 = -(\mu_3 - m_3) \div 3!$$

$$c_4 = (\mu_4 - m_4) \div 4!$$

$$c_5 = -\{\mu_5 - m_5 - 10 m_2 (\mu_3 - m_3)\} \div 5!$$

$$c_6 = \{\mu_6 - m_6 - 15 m_2 (\mu_4 - m_4) - 2 m_3 (\mu_3 - m_3)\} \div 6!$$

etc.

TABLE 3

Distribution of Barometric Heights for 4748 Days at Cambridge.

Source of Data: Pearson's Tables of the Incomplete $\mathcal{F}$ Function,
p. xix.

Class Interval	Frequencies Observed	Frequencies Graduated		Pearson's Results	
(1)	(2)	(3)	(4)	(5)	
Inches					
28.25 - 28.35	1				
28.35 - 28.45	0				
28.45 - 28.55	0	1 ^a	1.15 ^a		
28.55 - 28.65	1	1	1.31		
28.65 - 28.75	2	3	2.68	5.13 ^b	Moments based on Pearson's "Modified Formula":
28.75 - 28.85	6.5	5	5.30	5.32	
28.85 - 28.95	10.5	10	10.11	10.11	
28.95 - 29.05	23	18	18.65	18.66	
29.05 - 29.15	24	34 ^d	33.07	33.05	
29.15 - 29.25	63.5	55	56.24	56.26	$b = -.47556866$
29.25 - 29.35	81	93	91.54	91.54	$\mu_2 = 11.44913633$
29.35 - 29.45	127	145	142.06	142.06	$\mu_3 = -13.36707430$
29.45 - 29.55	213	206	209.36	209.39	$\sigma = 3.38365720$
29.55 - 29.65	289	297	291.79	291.81	$\alpha_2 = -.345$
29.65 - 29.75	388	376	382.66	382.69	
29.75 - 29.85	479.5	477	469.61	469.62	
29.85 - 29.95	537.5	526	535.90	535.91	
29.95 - 30.05	586	573	564.48	564.49	
30.05 - 30.15	550	534	544.20	544.22	
30.15 - 30.25	488	483	475.44	475.46	
30.25 - 30.35	350.5	366	372.21	372.15	
30.35 - 30.45	246	262	257.38	257.34	
30.45 - 30.55	150	157 ^d	154.66	154.64	
30.55 - 30.65	85.5	77	79.18	79.15	
30.65 - 30.75	35	34	33.69	33.71	
30.75 - 30.85	7.5	11	11.56	11.54	
30.85 - 30.95	2.5	3	3.07	3.75 ^c	
30.95 - 31.05	.5	1	.70		
$\bar{X}$		16.29	14.10	14.10	
P		.91	.96	.96	

^a Includes values below 28.45-28.55.^b Includes values below 28.65-28.75.^c Includes values beyond 30.85-30.95.^d True values 33.49 and 156.37 respectively.

Consequently, formula (62) becomes

$$\begin{aligned}
 \frac{1}{s} \int_{\ell_1}^{\ell_2} f(x) dx &= \int_{-\ell_1}^{\ell_2} \psi(t) dt \\
 &= \int_{-\ell_1}^{\ell_2} \theta(t) dt - \frac{\alpha_3 - \bar{\alpha}_3}{3!} \theta^3(t) \\
 &\quad + \frac{\alpha_4 - \bar{\alpha}_4}{4!} \theta^4(t) - \frac{(\alpha_4 - \bar{\alpha}_4) - 10(\alpha_3 - \bar{\alpha}_3)}{5!} \theta^5(t) \\
 &\quad + \frac{(\alpha_6 - \bar{\alpha}_6) - 15(\alpha_4 - \bar{\alpha}_4) - 2\bar{\alpha}_3(\alpha_3 - \bar{\alpha}_3)}{6!} \theta^6(t) \Big]_{t=-\ell_1}^{\ell_2}
 \end{aligned}
 \quad (65)$$

The values of the coefficients given in (64) could have been obtained from equation

$$\int_{-\ell_1}^{\ell_2} x^n f(x) dx = c_0 \int_{-\ell_1}^{\ell_2} x^n \phi(x) dx + \sum_{i=1}^r c_i (-1)^i n^{(i)} \int_{-\ell_1}^{\ell_2} x^{n-i} \phi(x) dx
 \quad (49)$$

by introducing standard units in equation (45) and in subsequent developments.

The Gram-Charlier series is readily deduced from formula (65) by making $\bar{\alpha}_s = 0$. The recurrence relations for the functional moments of the normal curve of error give

$$\alpha_{2n+1} = 0, \quad n = 0, 1, 2, \dots \quad (18)$$

$$\alpha_{2n} = \frac{(2n)!}{2^n n!} \quad (19)$$

On substituting equations (18) and (19) in formula (65), one obtains

$$\begin{aligned}
 \frac{1}{s} \int_{\ell_1}^{\ell_2} f(x) dx &= \int_{-\ell_1}^{\ell_2} \theta(t) dt - \frac{\alpha_3}{3!} \theta^3(t) + \frac{\alpha_4 - 3}{4!} \theta^4(t) \\
 &\quad - \frac{\alpha_5 - 10\alpha_3}{5!} \theta^5(t) + \frac{\alpha_6 - 15\alpha_4 + 30}{6!} \theta^6(t)
 \end{aligned}
 \quad (69)$$

where

$$\theta(t) = \frac{1}{\sqrt{2\pi}} e^{-\frac{1}{2}t^2}$$

TABLE 4-A

Table Showing the Successive Steps in Graduating the Distribution of Barometric Heights for 4748 Days.

Lower Limits of Class Interval		$\int \theta(x) dx$	$a, \theta(x)$	$a, \theta'(x)$	$a, \theta''(x)$	Integral of Expansion of				Graduated Unit Frequencies			
x	z		(4)	(5)	(6)	2 terms used	3 terms used	4 terms used	1 term used	2 terms used	3 terms used	4 terms used	x
-17.5	-5.1	999974	-0.00001	-0.00001	-0.00003	999973	999972	999969	.000033	.000033	.000034	.000038	-17.5
-16.5	-4.8	999941	-0.00001	-0.00002	-0.00007	999940	999938	999931	.000069	.000070	.000071	.000077	-16.5
-15.5	-4.5	999872	-0.00002	-0.00003	-0.00013	999870	999867	999854	.000149	.000153	.000153	.000165	-15.5
-14.5	-4.2	999726	-0.00005	-0.00007	-0.00025	999721	999714	999689	.000299	.000304	.000310	.000331	-14.5
-13.5	-3.9	999427	-0.00010	-0.00013	-0.00046	999417	999404	999358	.000594	.000604	.000615	.000652	-13.5
-12.5	-3.6	998833	-0.00020	-0.00024	-0.00083	998813	998789	998706	.001152	.001170	.001190	.001250	-12.5
-11.5	-3.3	997651	-0.00038	-0.00044	-0.00143	997643	997599	997456	.002164	.002197	.002230	.002322	-11.5
-10.5	-3.0	995517	-0.00071	-0.00077	-0.00235	995446	995369	995134	.003935	.003990	.004043	.004172	-10.5
-9.5	-2.7	991582	-0.00126	-0.00130	-0.00364	991456	991376	991092	.006910	.007002	.007081	.007247	-9.5
-8.5	-2.4	984672	-0.00218	-0.00209	-0.00530	984454	984245	983715	.011681	.011826	.011937	.012120	-8.5
-7.5	-2.1	972991	-0.00363	-0.00320	-0.00713	972628	972308	971595	.018951	.019164	.019305	.019460	-7.5
-6.5	-1.8	954040	-0.00576	-0.00461	-0.00936	953464	953003	952135	.029401	.029700	.029862	.029909	-6.5
-5.5	-1.5	924639	-0.00875	-0.00623	-0.00915	923764	923141	922226	.043434	.043820	.043972	.043808	-5.5
-4.5	-1.2	881205	-0.01261	-0.00775	-0.00751	879944	879169	878418	.060821	.061279	.061376	.060908	-4.5
-3.5	-.9	820384	-0.01719	-0.00872	-0.00233	818665	817793	817510	.080288	.080771	.080755	.079957	-3.5
-2.5	-.6	740096	-0.02202	-0.00856	-0.00515	737894	737038	737553	.099293	.099724	.099544	.098535	-2.5
-1.5	-.3	640803	-0.02633	-0.00676	-0.00154	638170	637494	639018	.114201	.114482	.114123	.113191	-1.5
-0.5	0	526692	-0.02914	-0.00317	-0.00245	523683	523371	523827	.121108	.121152	.120604	.120207	-0.5
0.5	3	405494	-0.02958	.000171	.002913	402767	402707	405620	.117213	.116978	.116476	.102565	0.5
1.5	6	288281	-0.02723	.000673	.002576	285556	286231	288807	.102274	.101792	.101424	.102851	1.5
2.5	9	186007	-0.02241	.001041	.00435	183768	184807	186242	.079261	.078641	.078521	.080059	2.5
3.5	12	106746	-0.01621	.001161	.00716	105125	106286	106183	.053570	.052958	.053099	.054373	3.5
4.5	15	653176	-0.01009	.001020	.001377	652167	653187	.051810	.030861	.030379	.030683	.031190	4.5
5.5	18	422315	-0.00527	.000716	.001884	421788	422504	.020620	.014721	.014416	.014633	.014456	5.5
6.5	21	267594	-0.00222	.000396	.001604	267372	267768	.006164	.005600	.005679	.005677	.005027	6.5
7.5	24	161904	-0.00072	.000167	.000952	161922	162089	.001137	.001616	.001561	.001677	.001117	7.5
8.5	27	903378	-0.00017	.000051	.000392	903361	903412	.000330	.000331	.000317	.000358	.000072	8.5
9.5	3.0	400047	-0.00003	.000010	.000016	400044	400054	.000052	.000044	.000041	.000350	.000039	9.5
10.5	3.3	000000	.000000	.000001	.000017	000003	000004	.000013	.000013	.000013	.000013	.000013	10.5

$$\sigma = 3.3465111 \quad 10 \div 3 \quad s = -0.07329$$

$$b = 4.7556866 \quad 11111111 \quad a_s = .003988$$

$$a = .006713$$

CHAPTER III

NUMERICAL APPLICATIONS

The application of the derivative series is best illustrated by employing formula

$$(62) \quad \frac{1}{s} \int_{h_1}^{h_2} f(x) dx = \int_{-l_1}^{l_2} \theta(t) dt + \sum_{i=1}^r \left[\frac{c_i}{s^i} \theta^{(i)}(t) \right]_{t=-l_1}^{l_2}$$

in the graduation of the observed frequency distribution given in Table I, page 24, of this paper.

After the adjusted moments, μ_n , had been determined, the values of d , s , and $\bar{a}_3$ of the generating function were chosen, with the considerations (a), (b), and (c) on page 36 in mind. The value of d closest to $b = -.47556866$ and that of s closest to $\sigma = 3.346511$ that will make the values of t multiples of one-tenth are $-1/2$ and $10/3$, respectively. The value selected for $\bar{a}_3$ is $-.4$, this being the multiple of one-tenth nearest to $\alpha_3 = -.3567$. The results of this graduation were recorded in Tables 4-a and 4-b. Since $-.3$ is also close to $\alpha_3 = -.3567$, this value was also used and the graduation was effected by employing first one term and then two terms of formula (62). These results are given in Table 5. In order to compare the different results of graduation, the values of P were calculated by using Pearson's χ^2 test of goodness of fit.¹

It may be noted here that of the two values of $\bar{a}_3$, the one numerically smaller, $-.3$, yields better results.

¹ P is defined as "the probability that random sampling would lead to as large or larger deviation between theory and observation." A table of values of P is given in Pearson's *Tables for Statisticians and Biometricians*, pp. 26-28.

TABLE 4-B

Distribution of Barometric Heights for 4748 Days at Cambridge.

Source of Rough Data: Pearson's Tables of the Incomplete Function, page xix.

Class Interval	Observed Frequencies	Graduated Frequencies			
		1 term used	2 terms used	3 terms used	4 terms used
(1)	(2)	(3)	(4)	(5)	(6)
Inches.					
28.25 - 28.35	1				
28.35 - 28.45	0				
28.45 - 28.55	0	1 ^a	1 ^a	1 ^a	1 ^a
28.55 - 28.65	1	1	1	1	2
28.65 - 28.75	2	3	3	3	3
28.75 - 28.85	6.5	5	6	6	6
28.85 - 28.95	10.5	10	11 ^b	11	11
28.95 - 29.05	23	19	19	19	20
29.05 - 29.15	24	33	33	33 ^b	34
29.15 - 29.25	63.5	55	56	57	58
29.25 - 29.35	81	90	91	91 ^b	92
29.35 - 29.45	127	140	141	142	142
29.45 - 29.55	213	206	208	209	208
29.55 - 29.65	289	289	291	291	289
29.65 - 29.75	388	381	384	383	380
29.75 - 29.85	479.5	471	474 ^b	473	468
29.85 - 29.95	537.5	542	544	542	537
29.95 - 30.05	586	575	575	573	571
30.05 - 30.15	550	557	555	553	555
30.15 - 30.25	488	486	483	482	487
30.25 - 30.35	350.5	376	373	373	380
30.35 - 30.45	246	254	251	252	258
30.45 - 30.55	150	147	144	146	148
30.55 - 30.65	85.5	70	69 ^b	70	69
30.65 - 30.75	35	27	26	27	24
30.75 - 30.85	7.5	8	7	8	5 ^c
30.85 - 30.95	2.5	2 ^d	2 ^d	2 ^d	
30.95 - 31.05	0.5				
χ^2		16.75	17.11	15.71	21.83
P		.86	.84	.90	.59

^a Includes values below interval 28.45-28.55.^b Column (4), true values are 10.43, 473.49, and 68.45 respectively.^b Column (5), true values are 33.62 and 91.66 respectively.^c Includes values beyond interval 30.75-30.85.^d Includes values beyond interval 30.85-30.95.

Table 6 illustrates the use of formula

$$\begin{aligned}
 (65) \quad \frac{1}{5} \int_{\eta_1'}^{\eta_2'} f(x) dx &= \int_{-\theta_1}^{\theta_2} \theta(t) dt - \frac{\alpha_3 - \bar{\alpha}_3}{3!} \theta^2(t) + \frac{\alpha_4 - \bar{\alpha}_4}{4!} \theta^3(t) \\
 &\quad - \frac{(\alpha_5 - \bar{\alpha}_5) - 10(\alpha_3 - \bar{\alpha}_3)}{5!} \theta^4(t) \\
 &\quad - \frac{(\alpha_6 - \bar{\alpha}_6) - 15(\alpha_4 - \bar{\alpha}_4) - 2\bar{\alpha}_3(\alpha_3 - \bar{\alpha}_3)}{6!} \theta^5(t) \Big]_{-\theta_1}^{\theta_2}
 \end{aligned}$$

Straight-line interpolation was used to obtain the required values of the derivatives from Table III (Appendix). The disadvantage of the foregoing formula is that the t 's cannot be expressed purposely in multiples of one-tenth or one-hundredth. For this reason, it will be necessary to resort to interpolation in order that satisfactory results may be obtained from Tables I and III (Appendix). The value of $\bar{\alpha}_3$ may be arbitrarily chosen; but it should be a multiple of one-tenth in order to avoid interpolation and should be as close as possible to that of α_3 in order to insure rapid convergence of the derivative series.

As another illustration of the application of the derivative series, one may solve again example (3), page 27, of this paper, which is as follows:

Required the probability that exactly 762 individuals will die within one year in a population of 100,000 for which $q = .008$.

$$\begin{aligned}
 \text{Here,} \quad M_x &= 800 \\
 \sigma &= \sqrt{5pq} = 28.1709 \\
 \alpha_3 &= \frac{\rho - q}{\sigma} = .03493 \\
 t &= -1.3489
 \end{aligned}$$

This example may be solved by employing the derivative series below for the normal curve of error:

$$(2) \quad f(x) = \frac{1}{\sigma} \left\{ \theta(t) - A_3 \frac{\theta^3(t)}{3!} + A_4 \frac{\theta^4(t)}{4!} - \dots \right\},$$

TABLE 5

Distribution of Barometric Heights for 4748 Days at Cambridge.

Source of Rough Data: Pearson's Tables of the Incomplete Γ Function, page xix.

Class Interval	Observed Frequencies	Graduated Frequencies		
		1 term used	2 terms used	
(1)	(2)	(3)	(4)	
Inches				Observed
28.25 - 28.35	1			
28.35 - 28.45	0			
28.45 - 28.55	0	1	1	
28.55 - 28.65	1	1	1	$\sigma = 3.3465111$
28.65 - 28.75	2	2	2	$b = .47556866$
28.75 - 28.85	6.5	4	4	$\mu_2 = 11.19913633$
28.85 - 28.95	10.5	9	9	$\mu_3 = -13.36707430$
28.95 - 29.05	23	17	17	
29.05 - 29.15	24	31	31	$\alpha_3 = -.3567$
29.15 - 29.25	63.5	54	54	
29.25 - 29.35	81	89*	91	Assumed
29.35 - 29.45	127	142	143	
29.45 - 29.55	213	212	214	
29.55 - 29.65	289	298	300	$s = 10 \div 3$
29.65 - 29.75	388	392	395	$d = -.5$
29.75 - 29.85	479.5	481	483	$m_2 = 11.111111$
29.85 - 29.95	537.5	547	548	$\bar{e}_3 = -.3$
29.95 - 30.05	586	571	571	
30.05 - 30.15	550	545	544	
30.15 - 30.25	488	470	468	Coefficient
30.25 - 30.35	350.5	363	360	$a_1 = .007329$
30.35 - 30.45	246	248	245	
30.45 - 30.55	150	148	146	
30.55 - 30.65	85.5	76	74	
30.65 - 30.75	35	32*	32	
30.75 - 30.85	7.5	11*	11	
30.85 - 30.95	2.5	3	3	
30.95 - 31.05	0.5	1	1	
χ^2		14.47	16.00	
P		.95	.91	

* True values are 89.59, 32.52, and 11.51 respectively.

where

$$A_3 = \frac{q-p}{\sqrt{6pq}} \quad \text{and} \quad A_4 = \frac{(1-6pq)}{(6pq)^{3/2}}$$

Applying (a), one obtains

$$\begin{aligned} P_x &= \frac{1}{28.1709} \left\{ .16062192 + .00148878 - .00003676 + \dots \right\} \\ &= .005753 \end{aligned}$$

which differs by .000002 from the result obtained by laborious computation based on Stirling's formula.

In deciding upon the number of terms that should be used in applying the derivative series,

$$(45) \quad f(x) = c_0 \phi(x) + c_1 \phi'(x) + \dots + c_r \phi^r(x)$$

to the graduation of a frequency distribution, an empirical method is employed. A trial graduation is effected, first with one term, then two, three, etc., and the corresponding value of P is determined in each case. When in this sequence of trials one arrives at a stage in which an additional term does not significantly increase the value of P , then the corresponding derivative series is the one that gives the most accurate representation of the distribution. In applying the Gram-Charlier series, which is applicable only to distributions of small skewness, it is seldom necessary to consider terms beyond those involving derivatives of the sixth order.

When the skewness of the distribution is relatively large, the Gram-Charlier series is entirely inadequate, and in such cases satisfactory representation can be effected by employing the derivative series (45). This greater range of adaptability of the derivative series is due to the fact that it is developed from a comparatively general function (Pearson's Type III function), which is not necessarily symmetric. The Gram-Charlier series, on the other hand, is based on a symmetric generating function and for this reason it might be expected that the resulting series would be effective only for distributions of small skewness.

TABLE 6

Showing the Successive Steps in Graduating the Distribution of Barometric Heights for 4748 Days, Cambridge

Lower Limits of Class Interval		$\int_{-\frac{1}{2}h}^t \theta \, dt$	$\partial_s \theta^2 t$	Integral of Expansion of 2 terms	Unit Frequencies		Graduated Frequencies		Observed Frequencies
x	t				1 term used	2 terms used	1 term used	2 terms used	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
-14.5	-4.19	.999719	.000027	.999746	.000306	.000282	3*	3*	2*
-13.5	-3.89	.999413	.000051	.999464	.000608	.000568	3	3	2
-12.5	-3.59	.998805	.000091	.998896	.001116	.001110	6	5	6.5
-11.5	-3.29	.997629	.000157	.997786	.002112	.002017	10	10	10.5
-10.5	-3.00	.995517	.000252	.995769	.003935	.003795	19	18	23
-9.5	-2.70	.991582	.000392	.991974	.006910	.006732	33	32	24
-8.5	-2.40	.984672	.000570	.985242	.011651	.011484	55	55	63.5
-7.5	-2.10	.972991	.000767	.973758	.018951	.018784	90	89	81
-6.5	-1.80	.954040	.000934	.954974	.029401	.029350	140	139	127
-5.5	-1.50	.924639	.000985	.925624	.043434	.043611	206	207	213
-4.5	-1.20	.881205	.000808	.882013	.060821	.061325	289	291	289
-3.5	- .90	.820384	.000304	.820688	.080288	.081146	381	385	388
-2.5	- .60	.740096	-.000554	.739542	.095710	.096758	454	459	479.5
-1.5	- .31	.644386	-.001602	.642784	.113812	.114822	540	545	537.5
- .5	- .01	.530574	-.002612	.527962	.121042	.121556	575	577	586
0.5	.29	.409532	-.003126	.406406	.117528	.117196	558	556	550
1.5	.59	.292004	-.002794	.289210	.102927	.101725	489	483	488
2.5	.89	.189077	-.001592	.187485	.080105	.078458	380	373	350.5
3.5	1.19	.108972	.000055	.109027	.054406	.053017	258	252	246
4.5	1.49	.054566	.001444	.056010	.031523	.030947	150	147	150
5.5	1.79	.023043	.002020	.025063	.014822	.015082	70	72	85.5
6.5	2.08	.008221	.001760	.009981	.006020	.006707	29	32	35
7.5	2.38	.002201	.001073	.003274	.001774	.002391	8	11	7.5
8.5	2.68	.000427	.000456	.000883	.000372	.000700	2†	4†	2.5
9.5	2.98	.000055	.000128	.000183	.000051	.000158			1.5
10.5	3.28	.000004	.000021	.000025					
χ^2							17.61	14.86	
P							.78	.90	

 $\alpha_s = -.35666424$ $\beta_s = -.4$ $\alpha_s = .0072226$ * includes area below
† includes area beyond $t = -4.19$
 $t = 2.68$

In applying the derivative series to distributions of either large or small skewness it is seldom necessary to include terms beyond those involving derivatives of the third order. In the example given in Tables 4-b and 5, entirely satisfactory representations are obtained from the first three terms of series (45).

The question of the convergence of the derivative series (45) as r approaches infinity has not been investigated. In fact, nowhere in the literature has the writer been able to find a proof of the convergence of the Gram-Charlier series. Since the derivative series of the present paper is a generalization of the Gram-Charlier series, it would seem that an investigation of the convergence of the former series would involve still greater difficulties.

CONCLUSION

The question of obtaining a relatively simple and at the same time accurate functional representation of frequency distributions gives rise to one of the most important practical problems in mathematical statistics.

Among the many frequency distributions that arise, only those for which the degree of skewness is limited can be satisfactorily represented by the normal curve of error. The Gram-Charlier series, in which successive terms are derived by differentiation of the normal frequency function, was evolved for the purpose of giving functional expression to a greater variety of distributions. As the generating function employed in the derivation of the Gram-Charlier series is a function of zero skewness, this series, as one might suspect, is far from satisfactory for the representation of any distribution of relatively large skewness.

The problem of attaining flexibility in the representation of frequency distributions was solved with a considerable degree of success by Pearson in the development of his Type III frequency function. This function is a comparatively simple exponential expression which is completely defined in terms of the mean, standard deviation and skewness of the distribution. It reproduces, with considerable accuracy, a large number of different distributions, both skew and symmetric, and reduces to the standard frequency function when the skewness is zero. Although Pearson's Type III function is simple from the theoretical point of view, there is much laborious work involved in the computing of ordinates and areas associated with the curve. Pearson has published a table from which areas under the curve may be found. His tabular areas, however, are not based on arguments expressed in terms of the standard deviation as a unit; for this reason they cannot be used effectively in computations requiring numerous references to the tables.

As a further step toward increasing both the accuracy of representation and the scope of frequency distributions that can be adequately represented, this paper develops a "derivative series" based on Pearson's Type III function as the generating function of the series.

In the present development Pearson's function plays a role entirely analogous to that of the standard frequency function in the derivation of the Gram-Charlier series.

In recognition of the need of an adequate and practical set of tables giving ordinates, areas and derivatives of frequency functions, the author has prepared a complete set of such tables, which are submitted as a part of the present dissertation. These tables give the areas and also the ordinates for Pearson's Type III function for intervals of one-hundredths in the arguments, and for intervals of one-tenth in the skewness, the argument being recorded in standard units. A complete set of values of the derivatives of Pearson's Type III function is also included in the accompanying tables, and thus all tedious calculations in reproducing frequency distributions from the derivative series are eliminated.

Since the tabular values are recorded at intervals of one-hundredth, sufficient accuracy will usually be obtained from these tables without interpolation.

It is hoped that the accompanying tables of values for frequency functions will render sufficiently valuable service to the statistical world to justify the expenditure of time and effort required in their construction.

BIBLIOGRAPHY

Bromwich, J. F. A.

An Introduction to the Theory of Infinite Series, second edition (1926), London, pp. 327-333.

Carver, H. C.

The Mathematical Representation of Frequency Distributions, Quarterly Publication of the American Statistical Association, Vol. XVII (1921), pp. 720-729.

Charlier, C. V. L.

1. Über das Fehlergesetz.

2. Über die Darstellung Willkürlicher Funktionen, Arkiv for Matematik, Astronomi och Fysik, Band 2, No. 8 and 20, 1905.

3. Researches into the Theory of Probability. Meddelanden fran Lunds Astronomiska Observatorium, No. 4, Band I, Serie II, 1906.

Darmois, G.

Statistique Mathematique, 1928, Paris.

Elderton, W. P.

Frequency Curves and Correlation, second edition (1927), London.

Fisher, A.

The Mathematical Theory of Probabilities, Vol. I, second edition (1923), New York.

Goursat-Hedrick

A Course in Mathematical Analysis, 1904, New York, pp. 27-28, 166-173.

Glover, J. W., and Carver, H. C.

Introduction to Mathematical Statistics, 1926, Ann Arbor, Michigan.

Gram, J. P.

Om Raekkeudviklinger, bestemte ved Hjaelp af de mindste Kvadraters Methode, 1879, Copenhagen.

Pearson, K.

Contributions to the Mathematical Theory of Evaluation, Philosophical Transactions of the Royal Society of London, A, Vol. 185 (1894), pp. 71-110; A, vol. 186 (1895), pp. 343-414.

On the Distribution of Frequency (Variation and Correlation) of the Barometric Height at Divers Station, A, vol. 190 (1897), pp. 423-470.

Rietz, H. L.

Mathematical Statistics, 1927, Chicago.

- Rietz, H. L., and others
Handbook of Mathematical Statistics, 1924, Boston.
- Romanovsky, V.
Generalization of Some Types of Frequency Curves of Professor Pearson, *Biometrika*, Vol. XVI (1924), pp. 106-117.
- Steffensen, J. F.
Interpolation, 1927, Baltimore.
- Whittaker, E. T., and Robinson, C.
The Calculus of Observations, second edition (1926), London.

MATHEMATICAL TABLES

- Barlow, P.
Tables of Squares, Cubes, etc., 1926, London.
- Bauschinger, J., and Peters, J.
Logarithmic Tables with Eight Decimal Places.
- Becker and Van Orstrand
Smithsonian Mathematical Tables—Hyperbolic Functions, second reprint (1909), Washington, D. C.
- Jørgensen, N. R.
Undersøgelser over Frequensflader og Korrelation, 1916, Copenhagen.
- Pearson, K.
1. Tables for Statisticians and Biometricians, second edition (1924), Cambridge University Press.
2. Tables of the Incomplete **Function**, 1922, London.
- Sheppard, W. F.
The New Tables of the Probability Integrals. *Biometrika*, Vol. II, pp. 174-190.
- Steinhauser, A.
Logarithmen Hilfstafeln with Twenty Decimal Places, 1880, Wien.
- Vega, G.
10—Place Vulgar Logarithms, reprint (1923), New York.
48—Place Natural Logarithms, reprint (1923), New York.

APPENDIX

TABLES OF AREAS, ORDINATES, AND DERIVATIVES

OF THE

STANDARDIZED TYPE III FUNCTION

$$y = y_0 \left(1 + \frac{\alpha_2}{2} t \right)^{\frac{1}{\alpha_1} - 1} e^{-\frac{\alpha_2}{\alpha_1} t}$$

TABLE I

AREAS OF THE STANDARDIZED
TYPE III FUNCTION

$$y = y_0 \left(1 + \frac{\alpha_1}{2} t \right)^{\frac{4}{\alpha_1} - 1} e^{-\frac{2}{\alpha_1} t}$$

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-4.99							-4.99
-4.98							-4.98
-4.97							-4.97
-4.96							-4.96
-4.95							-4.95
-4.94							-4.94
-4.93							-4.93
-4.92							-4.92
-4.91							-4.91
-4.90							-4.90
-4.89	.000001						-4.89
-4.88	.000001						-4.88
-4.87	.000001						-4.87
-4.86	.000001						-4.86
-4.85	.000001						-4.85
-4.84	.000001						-4.84
-4.83	.000001						-4.83
-4.82	.000001						-4.82
-4.81	.000001						-4.81
-4.80	.000001						-4.80
-4.79	.000001						-4.79
-4.78	.000001						-4.78
-4.77	.000001						-4.77
-4.76	.000001						-4.76
-4.75	.000001						-4.75
-4.74	.000001						-4.74
-4.73	.000001						-4.73
-4.72	.000001						-4.72
-4.71	.000001						-4.71
-4.70	.000001						-4.70
-4.69	.000001						-4.69
-4.68	.000001						-4.68
-4.67	.000002						-4.67
-4.66	.000002						-4.66
-4.65	.000002						-4.65
-4.64	.000002						-4.64
-4.63	.000002						-4.63
-4.62	.000002						-4.62
-4.61	.000002						-4.61
-4.60	.000002						-4.60
-4.59	.000002						-4.59
-4.58	.000002						-4.58
-4.57	.000002						-4.57
-4.56	.000003						-4.56
-4.55	.000003						-4.55
-4.54	.000003						-4.54
-4.53	.000003						-4.53
-4.52	.000003						-4.52
-4.51	.000003	.000001					-4.51
-4.50	.000003	.000001					-4.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.99							-4.99
-4.98							-4.98
-4.97							-4.97
-4.96							-4.96
-4.95							-4.95
-4.94							-4.94
-4.93							-4.93
-4.92							-4.92
-4.91							-4.91
-4.90							-4.90
-4.89							-4.89
-4.88							-4.88
-4.87							-4.87
-4.86							-4.86
-4.85							-4.85
-4.84							-4.84
-4.83							-4.83
-4.82							-4.82
-4.81							-4.81
-4.80							-4.80
-4.79							-4.79
-4.78							-4.78
-4.77							-4.77
-4.76							-4.76
-4.75							-4.75
-4.74							-4.74
-4.73							-4.73
-4.72							-4.72
-4.71							-4.71
-4.70							-4.70
-4.69							-4.69
-4.68							-4.68
-4.67							-4.67
-4.66							-4.66
-4.65							-4.65
-4.64							-4.64
-4.63							-4.63
-4.62							-4.62
-4.61							-4.61
-4.60							-4.60
-4.59							-4.59
-4.58							-4.58
-4.57							-4.57
-4.56							-4.56
-4.55							-4.55
-4.54							-4.54
-4.53							-4.53
-4.52							-4.52
-4.51							-4.51
-4.50							-4.50

PEARSON'S TYPE III FUNCTION—AREAS

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-4.49	.000004	.000001					-4.49
-4.48	.000004	.000001					-4.48
-4.47	.000004	.000001					-4.47
-4.46	.000004	.000001					-4.46
-4.45	.000004	.000001					-4.45
-4.44	.000004	.000001					-4.44
-4.43	.000005	.000001					-4.43
-4.42	.000005	.000001					-4.42
-4.41	.000005	.000001					-4.41
-4.40	.000005	.000001					-4.40
-4.39	.000006	.000001					-4.39
-4.38	.000006	.000001					-4.38
-4.37	.000006	.000001					-4.37
-4.36	.000007	.000001					-4.36
-4.35	.000007	.000001					-4.35
-4.34	.000007	.000001					-4.34
-4.33	.000007	.000001					-4.33
-4.32	.000008	.000002					-4.32
-4.31	.000008	.000002					-4.31
-4.30	.000009	.000002					-4.30
-4.29	.000009	.000002					-4.29
-4.28	.000009	.000002					-4.28
-4.27	.000010	.000002					-4.27
-4.26	.000010	.000002					-4.26
-4.25	.000011	.000002					-4.25
-4.24	.000011	.000003					-4.24
-4.23	.000012	.000003					-4.23
-4.22	.000012	.000003					-4.22
-4.21	.000013	.000003					-4.21
-4.20	.000013	.000003					-4.20
-4.19	.000014	.000003					-4.19
-4.18	.000015	.000003					-4.18
-4.17	.000015	.000004					-4.17
-4.16	.000016	.000004					-4.16
-4.15	.000017	.000004	.000001				-4.15
-4.14	.000017	.000004	.000001				-4.14
-4.13	.000018	.000005	.000001				-4.13
-4.12	.000019	.000005	.000001				-4.12
-4.11	.000020	.000005	.000001				-4.11
-4.10	.000021	.000005	.000001				-4.10
-4.09	.000022	.000006	.000001				-4.09
-4.08	.000023	.000006	.000001				-4.08
-4.07	.000023	.000006	.000001				-4.07
-4.06	.000025	.000007	.000001				-4.06
-4.05	.000026	.000007	.000001				-4.05
-4.04	.000027	.000007	.000001				-4.04
-4.03	.000028	.000008	.000001				-4.03
-4.02	.000029	.000008	.000001				-4.02
-4.01	.000030	.000009	.000001				-4.01
-4.00	.000032	.000009	.000001				-4.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.49							-4.49
-4.48							-4.48
-4.47							-4.47
-4.46							-4.46
-4.45							-4.45
-4.44							-4.44
-4.43							-4.43
-4.42							-4.42
-4.41							-4.41
-4.40							-4.40
-4.39							-4.39
-4.38							-4.38
-4.37							-4.37
-4.36							-4.36
-4.35							-4.35
-4.34							-4.34
-4.33							-4.33
-4.32							-4.32
-4.31							-4.31
-4.30							-4.30
-4.29							-4.29
-4.28							-4.28
-4.27							-4.27
-4.26							-4.26
-4.25							-4.25
-4.24							-4.24
-4.23							-4.23
-4.22							-4.22
-4.21							-4.21
-4.20							-4.20
-4.19							-4.19
-4.18							-4.18
-4.17							-4.17
-4.16							-4.16
-4.15							-4.15
-4.14							-4.14
-4.13							-4.13
-4.12							-4.12
-4.11							-4.11
-4.10							-4.10
-4.09							-4.09
-4.08							-4.08
-4.07							-4.07
-4.06							-4.06
-4.05							-4.05
-4.04							-4.04
-4.03							-4.03
-4.02							-4.02
-4.01							-4.01
-4.00							-4.00

t	SKEWNESS					t
	0	.1	.2	.3	.4	
-3.99	.000033	.000010	.000002			-3.99
-3.98	.000034	.000010	.000002			-3.98
-3.97	.000036	.000011	.000002			-3.97
-3.96	.000037	.000011	.000002			-3.96
-3.95	.000039	.000012	.000002			-3.95
-3.94	.000041	.000012	.000002			-3.94
-3.93	.000042	.000013	.000002			-3.93
-3.92	.000044	.000014	.000003			-3.92
-3.91	.000046	.000014	.000003			-3.91
-3.90	.000048	.000015	.000003			-3.90
-3.89	.000050	.000016	.000003			-3.89
-3.88	.000052	.000017	.000003			-3.88
-3.87	.000054	.000018	.000004			-3.87
-3.86	.000057	.000019	.000004			-3.86
-3.85	.000059	.000020	.000004			-3.85
-3.84	.000062	.000021	.000004			-3.84
-3.83	.000064	.000022	.000005			-3.83
-3.82	.000067	.000023	.000005			-3.82
-3.81	.000069	.000024	.000005			-3.81
-3.80	.000072	.000025	.000006	.000001		-3.80
-3.79	.000075	.000026	.000006	.000001		-3.79
-3.78	.000078	.000028	.000006	.000001		-3.78
-3.77	.000082	.000029	.000007	.000001		-3.77
-3.76	.000085	.000031	.000007	.000001		-3.76
-3.75	.000088	.000032	.000008	.000001		-3.75
-3.74	.000092	.000034	.000008	.000001		-3.74
-3.73	.000096	.000035	.000009	.000001		-3.73
-3.72	.000100	.000037	.000009	.000001		-3.72
-3.71	.000104	.000039	.000010	.000001		-3.71
-3.70	.000108	.000041	.000010	.000001		-3.70
-3.69	.000112	.000043	.000011	.000001		-3.69
-3.68	.000117	.000045	.000012	.000002		-3.68
-3.67	.000121	.000047	.000012	.000002		-3.67
-3.66	.000126	.000049	.000013	.000002		-3.66
-3.65	.000131	.000052	.000014	.000002		-3.65
-3.64	.000136	.000054	.000015	.000002		-3.64
-3.63	.000142	.000057	.000016	.000002		-3.63
-3.62	.000147	.000060	.000017	.000002		-3.62
-3.61	.000153	.000062	.000018	.000003		-3.61
-3.60	.000159	.000065	.000019	.000003		-3.60
-3.59	.000165	.000068	.000020	.000003		-3.59
-3.58	.000172	.000072	.000021	.000003		-3.58
-3.57	.000178	.000075	.000023	.000004		-3.57
-3.56	.000185	.000079	.000024	.000004		-3.56
-3.55	.000193	.000082	.000025	.000004		-3.55
-3.54	.000200	.000086	.000027	.000005		-3.54
-3.53	.000208	.000090	.000028	.000005		-3.53
-3.52	.000216	.000094	.000030	.000005		-3.52
-3.51	.000224	.000099	.000032	.000006		-3.51
-3.50	.000233	.000103	.000034	.000006		-3.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-3.99							-3.99
-3.98							-3.98
-3.97							-3.97
-3.96							-3.96
-3.95							-3.95
-3.94							-3.94
-3.93							-3.93
-3.92							-3.92
-3.91							-3.91
-3.90							-3.90
-3.89							-3.89
-3.88							-3.88
-3.87							-3.87
-3.86							-3.86
-3.85							-3.85
-3.84							-3.84
-3.83							-3.83
-3.82							-3.82
-3.81							-3.81
-3.80							-3.80
-3.79							-3.79
-3.78							-3.78
-3.77							-3.77
-3.76							-3.76
-3.75							-3.75
-3.74							-3.74
-3.73							-3.73
-3.72							-3.72
-3.71							-3.71
-3.70							-3.70
-3.69							-3.69
-3.68							-3.68
-3.67							-3.67
-3.66							-3.66
-3.65							-3.65
-3.64							-3.64
-3.63							-3.63
-3.62							-3.62
-3.61							-3.61
-3.60							-3.60
-3.59							-3.59
-3.58							-3.58
-3.57							-3.57
-3.56							-3.56
-3.55							-3.55
-3.54							-3.54
-3.53							-3.53
-3.52							-3.52
-3.51							-3.51
-3.50							-3.50

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-3.49	.000241	.000108	.000036	.000007			-3.49
-3.48	.000251	.000113	.000038	.000007			-3.48
-3.47	.000260	.000118	.000040	.000008	.000001		-3.47
-3.46	.000270	.000123	.000042	.000009	.000001		-3.46
-3.45	.000280	.000129	.000045	.000009	.000001		-3.45
-3.44	.000291	.000135	.000047	.000010	.000001		-3.44
-3.43	.000302	.000141	.000050	.000011	.000001		-3.43
-3.42	.000313	.000147	.000053	.000012	.000001		-3.42
-3.41	.000325	.000154	.000056	.000012	.000001		-3.41
-3.40	.000337	.000161	.000059	.000013	.000001		-3.40
-3.39	.000349	.000168	.000062	.000014	.000001		-3.39
-3.38	.000362	.000175	.000065	.000015	.000001		-3.38
-3.37	.000376	.000183	.000069	.000017	.000002		-3.37
-3.36	.000390	.000191	.000073	.000018	.000002		-3.36
-3.35	.000404	.000199	.000077	.000019	.000002		-3.35
-3.34	.000419	.000208	.000081	.000021	.000002		-3.34
-3.33	.000434	.000217	.000085	.000022	.000002		-3.33
-3.32	.000450	.000227	.000090	.000024	.000003		-3.32
-3.31	.000466	.000236	.000095	.000025	.000003		-3.31
-3.30	.000483	.000247	.000100	.000027	.000003		-3.30
-3.29	.000501	.000257	.000105	.000029	.000004		-3.29
-3.28	.000519	.000268	.000110	.000031	.000004		-3.28
-3.27	.000538	.000280	.000116	.000033	.000004		-3.27
-3.26	.000557	.000292	.000122	.000035	.000005		-3.26
-3.25	.000577	.000304	.000129	.000038	.000005		-3.25
-3.24	.000598	.000317	.000135	.000040	.000006		-3.24
-3.23	.000619	.000330	.000143	.000043	.000007		-3.23
-3.22	.000641	.000344	.000150	.000046	.000007		-3.22
-3.21	.000664	.000359	.000158	.000049	.000008		-3.21
-3.20	.000687	.000374	.000166	.000052	.000009		-3.20
-3.19	.000711	.000389	.000174	.000056	.000009		-3.19
-3.18	.000736	.000405	.000183	.000059	.000010		-3.18
-3.17	.000762	.000422	.000192	.000063	.000011		-3.17
-3.16	.000789	.000439	.000202	.000067	.000012	.000001	-3.16
-3.15	.000816	.000457	.000212	.000072	.000014	.000001	-3.15
-3.14	.000845	.000476	.000222	.000076	.000015	.000001	-3.14
-3.13	.000874	.000495	.000234	.000081	.000016	.000001	-3.13
-3.12	.000904	.000516	.000245	.000087	.000018	.000001	-3.12
-3.11	.000935	.000536	.000257	.000092	.000019	.000001	-3.11
-3.10	.000968	.000558	.000270	.000098	.000021	.000001	-3.10
-3.09	.001001	.000580	.000283	.000104	.000023	.000002	-3.09
-3.08	.001035	.000604	.000297	.000110	.000025	.000002	-3.08
-3.07	.001070	.000628	.000311	.000117	.000027	.000002	-3.07
-3.06	.001107	.000653	.000326	.000124	.000029	.000002	-3.06
-3.05	.001144	.000679	.000342	.000132	.000032	.000003	-3.05
-3.04	.001183	.000705	.000358	.000140	.000034	.000003	-3.04
-3.03	.001223	.000733	.000375	.000148	.000037	.000003	-3.03
-3.02	.001264	.000762	.000393	.000157	.000040	.000004	-3.02
-3.01	.001306	.000792	.000411	.000167	.000043	.000004	-3.01
-3.00	.001350	.000823	.000430	.000177	.000047	.000005	-3.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-3.49							-3.49
-3.48							-3.48
-3.47							-3.47
-3.46							-3.46
-3.45							-3.45
-3.44							-3.44
-3.43							-3.43
-3.42							-3.42
-3.41							-3.41
-3.40							-3.40
-3.39							-3.39
-3.38							-3.38
-3.37							-3.37
-3.36							-3.36
-3.35							-3.35
-3.34							-3.34
-3.33							-3.33
-3.32							-3.32
-3.31							-3.31
-3.30							-3.30
-3.29							-3.29
-3.28							-3.28
-3.27							-3.27
-3.26							-3.26
-3.25							-3.25
-3.24							-3.24
-3.23							-3.23
-3.22							-3.22
-3.21							-3.21
-3.20							-3.20
-3.19							-3.19
-3.18							-3.18
-3.17							-3.17
-3.16							-3.16
-3.15							-3.15
-3.14							-3.14
-3.13							-3.13
-3.12							-3.12
-3.11							-3.11
-3.10							-3.10
-3.09							-3.09
-3.08							-3.08
-3.07							-3.07
-3.06							-3.06
-3.05							-3.05
-3.04							-3.04
-3.03							-3.03
-3.02							-3.02
-3.01							-3.01
-3.00							-3.00

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-2.99	.001395	.000854	.000450	.000187	.000051	.000006	-2.99
-2.98	.001441	.000888	.000471	.000198	.000055	.000006	-2.98
-2.97	.001489	.000922	.000493	.000209	.000059	.000007	-2.97
-2.96	.001538	.000957	.000516	.000222	.000064	.000008	-2.96
-2.95	.001589	.000994	.000540	.000234	.000069	.000009	-2.95
-2.94	.001641	.001032	.000564	.000248	.000074	.000010	-2.94
-2.93	.001695	.001071	.000590	.000262	.000080	.000011	-2.93
-2.92	.001750	.001111	.000617	.000277	.000086	.000012	-2.92
-2.91	.001807	.001153	.000644	.000292	.000092	.000014	-2.91
-2.90	.001866	.001197	.000673	.000309	.000099	.000016	-2.90
-2.89	.001926	.001242	.000703	.000326	.000107	.000017	-2.89
-2.88	.001988	.001288	.000735	.000344	.000115	.000019	-2.88
-2.87	.002052	.001336	.000767	.000363	.000123	.000021	-2.87
-2.86	.002118	.001385	.000801	.000383	.000132	.000024	-2.86
-2.85	.002186	.001437	.000836	.000403	.000141	.000026	-2.85
-2.84	.002256	.001489	.000873	.000425	.000152	.000029	-2.84
-2.83	.002327	.001544	.000911	.000448	.000162	.000032	-2.83
-2.82	.002401	.001600	.000950	.000472	.000174	.000036	-2.82
-2.81	.002477	.001659	.000991	.000497	.000186	.000039	-2.81
-2.80	.002555	.001719	.001034	.000523	.000199	.000043	-2.80
-2.79	.002635	.001781	.001078	.000551	.000212	.000048	-2.79
-2.78	.002718	.001845	.001124	.000580	.000227	.000052	-2.78
-2.77	.002803	.001911	.001171	.000610	.000242	.000057	-2.77
-2.76	.002890	.001980	.001220	.000641	.000258	.000063	-2.76
-2.75	.002980	.002050	.001272	.000674	.000276	.000069	-2.75
-2.74	.003072	.002123	.001325	.000709	.000294	.000076	-2.74
-2.73	.003167	.002198	.001380	.000744	.000313	.000083	-2.73
-2.72	.003264	.002275	.001437	.000782	.000334	.000090	-2.72
-2.71	.003364	.002355	.001496	.000821	.000355	.000099	-2.71
-2.70	.003467	.002437	.001557	.000862	.000378	.000108	-2.70
-2.69	.003573	.002522	.001621	.000905	.000402	.000117	-2.69
-2.68	.003681	.002610	.001687	.000949	.000427	.000128	-2.68
-2.67	.003793	.002700	.001755	.000996	.000454	.000139	-2.67
-2.66	.003907	.002793	.001826	.001044	.000482	.000151	-2.66
-2.65	.004025	.002889	.001899	.001095	.000512	.000164	-2.65
-2.64	.004145	.002987	.001975	.001148	.000543	.000177	-2.64
-2.63	.004269	.003089	.002053	.001203	.000576	.000192	-2.63
-2.62	.004396	.003194	.002134	.001260	.000611	.000208	-2.62
-2.61	.004527	.003302	.002218	.001320	.000647	.000225	-2.61
-2.60	.004661	.003413	.002305	.001382	.000686	.000244	-2.60
-2.59	.004799	.003528	.002395	.001446	.000726	.000263	-2.59
-2.58	.004940	.003645	.002488	.001514	.000768	.000284	-2.58
-2.57	.005085	.003767	.002584	.001584	.000813	.000306	-2.57
-2.56	.005234	.003892	.002683	.001656	.000860	.000330	-2.56
-2.55	.005386	.004020	.002786	.001732	.000909	.000356	-2.55
-2.54	.005543	.004152	.002892	.001811	.000960	.000383	-2.54
-2.53	.005703	.004289	.003001	.001892	.001014	.000411	-2.53
-2.52	.005868	.004429	.003115	.001977	.001071	.000442	-2.52
-2.51	.006037	.004573	.003232	.002066	.001130	.000475	-2.51
-2.50	.006210	.004721	.003352	.002157	.001192	.000509	-2.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-2.99							-2.99
-2.98							-2.98
-2.97							-2.97
-2.96							-2.96
-2.95							-2.95
-2.94							-2.94
-2.93							-2.93
-2.92							-2.92
-2.91							-2.91
-2.90							-2.90
-2.89							-2.89
-2.88							-2.88
-2.87	.000001						-2.87
-2.86	.000001						-2.86
-2.85	.000001						-2.85
-2.84	.000001						-2.84
-2.83	.000001						-2.83
-2.82	.000002						-2.82
-2.81	.000002						-2.81
-2.80	.000002						-2.80
-2.79	.000003						-2.79
-2.78	.000003						-2.78
-2.77	.000004						-2.77
-2.76	.000004						-2.76
-2.75	.000005						-2.75
-2.74	.000006						-2.74
-2.73	.000007						-2.73
-2.72	.000008						-2.72
-2.71	.000010						-2.71
-2.70	.000011						-2.70
-2.69	.000013						-2.69
-2.68	.000015						-2.68
-2.67	.000017						-2.67
-2.66	.000020						-2.66
-2.65	.000023						-2.65
-2.64	.000026						-2.64
-2.63	.000029						-2.63
-2.62	.000033						-2.62
-2.61	.000038	.000001					-2.61
-2.60	.000042	.000001					-2.60
-2.59	.000048	.000001					-2.59
-2.58	.000054	.000001					-2.58
-2.57	.000061	.000002					-2.57
-2.56	.000068	.000002					-2.56
-2.55	.000076	.000003					-2.55
-2.54	.000085	.000003					-2.54
-2.53	.000095	.000004					-2.53
-2.52	.000106	.000005					-2.52
-2.51	.000117	.000007					-2.51
-2.50	.000130	.000008					-2.50

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-2.49	.006387	.004873	.003477	.002253	.001258	.000546	-2.49
-2.48	.006569	.005030	.003606	.002351	.001326	.000585	-2.48
-2.47	.006756	.005191	.003739	.002454	.001397	.000626	-2.47
-2.46	.006947	.005356	.003876	.002560	.001471	.000670	-2.46
-2.45	.007143	.005527	.004017	.002671	.001549	.000716	-2.45
-2.44	.007344	.005701	.004163	.002785	.001631	.000765	-2.44
-2.43	.007549	.005881	.004314	.002904	.001716	.000817	-2.43
-2.42	.007760	.006066	.004469	.003027	.001805	.000872	-2.42
-2.41	.007976	.006256	.004629	.003154	.001898	.000930	-2.41
-2.40	.008198	.006450	.004794	.003286	.001994	.000992	-2.40
-2.39	.008424	.006651	.004964	.003423	.002095	.001056	-2.39
-2.38	.008656	.006856	.005140	.003565	.002201	.001124	-2.38
-2.37	.008894	.007067	.005320	.003711	.002310	.001196	-2.37
-2.36	.009137	.007284	.005507	.003863	.002425	.001272	-2.36
-2.35	.009387	.007506	.005698	.004020	.002544	.001352	-2.35
-2.34	.009642	.007735	.005896	.004183	.002668	.001435	-2.34
-2.33	.009903	.007969	.006099	.004351	.002797	.001524	-2.33
-2.32	.010170	.008209	.006308	.004525	.002932	.001616	-2.32
-2.31	.010444	.008456	.006523	.004704	.003072	.001714	-2.31
2.30	.010724	.008709	.006745	.004890	.003217	.001816	-2.30
-2.29	.011011	.008969	.006973	.005082	.003368	.001923	-2.29
-2.28	.011304	.009235	.007208	.005280	.003526	.002036	-2.28
-2.27	.011604	.009508	.007449	.005485	.003689	.002154	-2.27
-2.26	.011911	.009788	.007698	.005697	.003859	.002277	-2.26
-2.25	.012224	.010075	.007953	.005915	.004035	.002407	-2.25
-2.24	.012545	.010369	.008215	.006140	.004218	.002542	-2.24
-2.23	.012874	.010670	.008485	.006373	.004407	.002684	-2.23
-2.22	.013209	.010979	.008762	.006613	.004604	.002832	-2.22
-2.21	.013553	.011296	.009047	.006860	.004808	.002987	-2.21
-2.20	.013903	.011621	.009340	.007116	.005020	.003149	-2.20
-2.19	.014262	.011953	.009641	.007379	.005239	.003318	-2.19
-2.18	.014629	.012293	.009950	.007650	.005466	.003494	-2.18
-2.17	.015003	.012642	.010267	.007930	.005702	.003679	-2.17
-2.16	.015386	.012999	.010593	.008218	.005945	.003871	-2.16
-2.15	.015778	.013365	.010927	.008515	.006197	.004071	-2.15
-2.14	.016177	.013739	.011271	.008821	.006458	.004279	-2.14
-2.13	.016586	.014122	.011623	.009135	.006728	.004496	-2.13
-2.12	.017003	.014515	.011984	.009460	.007007	.004722	-2.12
-2.11	.017429	.014916	.012355	.009793	.007296	.004958	-2.11
-2.10	.017864	.015327	.012736	.010136	.007594	.005202	-2.10
-2.09	.018309	.015747	.013126	.010490	.007903	.005457	-2.09
-2.08	.018763	.016177	.013526	.010853	.008221	.005721	-2.08
-2.07	.019226	.016617	.013936	.011227	.008550	.005996	-2.07
-2.06	.019699	.017067	.014357	.011611	.008890	.006281	-2.06
-2.05	.020182	.017527	.014788	.012006	.009240	.006577	-2.05
-2.04	.020675	.017997	.015230	.012412	.009602	.006885	-2.04
-2.03	.021178	.018478	.015683	.012829	.009975	.007203	-2.03
-2.02	.021692	.018970	.016147	.013258	.010359	.007534	-2.02
-2.01	.022216	.019472	.016622	.013698	.010756	.007876	-2.01
-2.00	.022750	.019986	.017108	.014150	.011165	.008231	-2.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-2.49	.000144	.000010					-2.49
-2.48	.000160	.000012					-2.48
-2.47	.000176	.000015					-2.47
-2.46	.000195	.000018					-2.46
-2.45	.000214	.000021					-2.45
-2.44	.000236	.000025					-2.44
-2.43	.000259	.000030					-2.43
-2.42	.000284	.000036					-2.42
-2.41	.000311	.000042					-2.41
-2.40	.000340	.000049					-2.40
-2.39	.000372	.000057					-2.39
-2.38	.000406	.000066					-2.38
-2.37	.000442	.000076	.000001				-2.37
-2.36	.000481	.000087	.000001				-2.36
-2.35	.000523	.000100	.000001				-2.35
-2.34	.000569	.000115	.000002				-2.34
-2.33	.000617	.000131	.000003				-2.33
-2.32	.000668	.000149	.000004				-2.32
-2.31	.000724	.000169	.000005				-2.31
-2.30	.000783	.000191	.000007				-2.30
-2.29	.000845	.000215	.000010				-2.29
-2.28	.000912	.000242	.000013				-2.28
-2.27	.000984	.000271	.000017				-2.27
-2.26	.001060	.000304	.000021				-2.26
-2.25	.001140	.000339	.000027				-2.25
-2.24	.001226	.000378	.000034				-2.24
-2.23	.001317	.000421	.000042				-2.23
-2.22	.001413	.000467	.000051				-2.22
-2.21	.001515	.000517	.000062				-2.21
-2.20	.001623	.000571	.000075				-2.20
-2.19	.001737	.000631	.000091				-2.19
-2.18	.001857	.000695	.000108				-2.18
-2.17	.001985	.000764	.000128				-2.17
-2.16	.002119	.000838	.000151				-2.16
-2.15	.002261	.000918	.000178	.000001			-2.15
-2.14	.002410	.001005	.000207	.000002			-2.14
-2.13	.002567	.001097	.000241	.000003			-2.13
-2.12	.002732	.001197	.000279	.000005			-2.12
-2.11	.002906	.001303	.000321	.000008			-2.11
-2.10	.003088	.001417	.000368	.000012			-2.10
-2.09	.003280	.001539	.000421	.000017			-2.09
-2.08	.003481	.001669	.000479	.000024			-2.08
-2.07	.003692	.001807	.000543	.000033			-2.07
-2.06	.003912	.001954	.000614	.000045			-2.06
-2.05	.004144	.002111	.000692	.000059			-2.05
-2.04	.004386	.002277	.000777	.000076			-2.04
-2.03	.004639	.002453	.000870	.000097			-2.03
-2.02	.004903	.002640	.000972	.000123			-2.02
-2.01	.005179	.002838	.001083	.000153			-2.01
-2.00	.005468	.003047	.001203	.000189			-2.00

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-1.99	.023295	.020511	.017607	.014615	.011586	.008598	-1.99
-1.98	.023852	.021047	.018117	.015091	.012020	.008979	-1.98
-1.97	.024419	.021595	.018639	.015581	.012467	.009372	-1.97
-1.96	.024998	.022155	.019174	.016083	.012927	.009780	-1.96
-1.95	.025588	.022727	.019721	.016598	.013401	.010201	-1.95
-1.94	.026190	.023310	.020281	.017126	.013888	.010636	-1.94
-1.93	.026803	.023907	.020854	.017668	.014390	.011086	-1.93
-1.92	.027429	.024515	.021439	.018223	.014906	.011550	-1.92
-1.91	.028067	.025137	.022039	.018793	.015436	.012030	-1.91
-1.90	.028717	.025771	.022652	.019377	.015982	.012525	-1.90
-1.89	.029379	.026419	.023278	.019975	.016542	.013036	-1.89
-1.88	.030054	.027080	.023919	.020588	.017118	.013564	-1.88
-1.87	.030742	.027754	.024573	.021216	.017710	.014107	-1.87
-1.86	.031443	.028442	.025243	.021859	.018318	.014668	-1.86
-1.85	.032157	.029144	.025926	.022517	.018942	.015245	-1.85
-1.84	.032884	.029859	.026625	.023192	.019582	.015840	-1.84
-1.83	.033625	.030590	.027339	.023882	.020240	.016453	-1.83
-1.82	.034379	.031344	.028068	.024588	.020914	.017084	-1.82
-1.81	.035148	.032093	.028812	.025311	.021606	.017734	-1.81
-1.80	.035930	.032867	.029572	.026050	.022315	.018402	-1.80
-1.79	.036727	.033656	.030349	.026806	.023043	.019089	-1.79
-1.78	.037538	.034461	.031141	.027580	.023789	.019796	-1.78
-1.77	.038364	.035280	.031949	.028371	.024553	.020522	-1.77
-1.76	.039204	.036116	.032775	.029179	.025336	.021269	-1.76
-1.75	.040059	.036967	.033617	.030005	.026138	.022036	-1.75
-1.74	.040930	.037834	.034476	.030850	.026960	.022823	-1.74
-1.73	.041815	.038717	.035352	.031713	.027801	.023632	-1.73
-1.72	.042716	.039617	.036245	.032594	.028662	.024462	-1.72
-1.71	.043633	.040533	.037157	.033494	.029543	.025314	-1.71
-1.70	.044565	.041466	.038086	.034414	.030445	.026188	-1.70
-1.69	.045514	.042416	.039033	.035352	.031368	.027084	-1.69
-1.68	.046479	.043384	.039999	.036310	.032311	.028002	-1.68
-1.67	.047460	.044368	.040983	.037288	.033276	.028944	-1.67
-1.66	.048457	.045371	.041985	.038287	.034262	.029909	-1.66
-1.65	.049471	.046390	.043007	.039305	.035270	.030897	-1.65
-1.64	.050503	.047428	.044048	.040344	.036300	.031909	-1.64
-1.63	.051551	.048484	.045108	.041403	.037353	.032946	-1.63
-1.62	.052616	.049559	.046188	.042484	.038428	.034006	-1.62
-1.61	.053699	.050652	.047288	.043586	.039525	.035092	-1.61
-1.60	.054799	.051763	.048407	.044709	.040646	.036202	-1.60
-1.59	.055917	.052893	.049547	.045853	.041791	.037338	-1.59
-1.58	.057053	.054043	.050707	.047020	.042958	.038499	-1.58
-1.57	.058208	.055212	.051887	.048209	.044150	.039687	-1.57
-1.56	.059380	.056400	.053089	.049420	.045365	.040900	-1.56
-1.55	.060571	.057608	.054311	.050653	.046605	.042139	-1.55
-1.54	.061780	.058835	.055555	.051909	.047870	.043405	-1.54
-1.53	.063008	.060083	.056820	.053189	.049159	.044698	-1.53
-1.52	.064255	.061351	.058106	.054491	.050473	.046018	-1.52
-1.51	.065522	.062639	.059414	.055816	.051812	.047366	-1.51
-1.50	.066807	.063947	.060744	.057165	.053176	.048740	-1.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-1.99	.005769	.003269	.001333	.000230			-1.99
-1.98	.006083	.003502	.001474	.000279			-1.98
-1.97	.006410	.003748	.001625	.000334	.000001		-1.97
-1.96	.006751	.004007	.001789	.000397	.000002		-1.96
-1.95	.007105	.004280	.001965	.000469	.000004		-1.95
-1.94	.007475	.004567	.002153	.000551	.000008		-1.94
-1.93	.007859	.004869	.002355	.000642	.000014		-1.93
-1.92	.008258	.005185	.002571	.000745	.000024		-1.92
-1.91	.008672	.005518	.002801	.000859	.000038		-1.91
-1.90	.009103	.005866	.003047	.000986	.000057		-1.90
-1.89	.009550	.006230	.003309	.001126	.000082		-1.89
-1.88	.010013	.006612	.003587	.001280	.000114		-1.88
-1.87	.010494	.007011	.003882	.001449	.000155		-1.87
-1.86	.010992	.007428	.004195	.001634	.000205		-1.86
-1.85	.011509	.007864	.004526	.001836	.000266		-1.85
-1.84	.012043	.008318	.004876	.002055	.000339		-1.84
-1.83	.012596	.008792	.005246	.002293	.000425		-1.83
-1.82	.013168	.009286	.005637	.002550	.000526		-1.82
-1.81	.013760	.009800	.006048	.002827	.000642		-1.81
-1.80	.014372	.010334	.006480	.003126	.000776	.000001	-1.80
-1.79	.015003	.010891	.006935	.003446	.000929	.000006	-1.79
-1.78	.015656	.011469	.007413	.003789	.001101	.000016	-1.78
-1.77	.016329	.012070	.007914	.004156	.001295	.000033	-1.77
-1.76	.017024	.012693	.008439	.004548	.001511	.000062	-1.76
-1.75	.017741	.013340	.008989	.004965	.001752	.000103	-1.75
-1.74	.018480	.014011	.009564	.005408	.002017	.000159	-1.74
-1.73	.019242	.014706	.010165	.005879	.002309	.000233	-1.73
-1.72	.020026	.015425	.010793	.006377	.002629	.000328	-1.72
-1.71	.020834	.016170	.011448	.006904	.002979	.000446	-1.71
-1.70	.021666	.016941	.012130	.007461	.003358	.000590	-1.70
-1.69	.022522	.017737	.012841	.008048	.003769	.000761	-1.69
-1.68	.023402	.018560	.013580	.008667	.004213	.000962	-1.68
-1.67	.024307	.019410	.014349	.009317	.004691	.001195	-1.67
-1.66	.025238	.020288	.015148	.010001	.005204	.001462	-1.66
-1.65	.026194	.021193	.015978	.010717	.005753	.001766	-1.65
-1.64	.027175	.022127	.016838	.011468	.006340	.002109	-1.64
-1.63	.028183	.023090	.017731	.012254	.006965	.002491	-1.63
-1.62	.029218	.024081	.018655	.013075	.007629	.002916	-1.62
-1.61	.030280	.025102	.019612	.013933	.008334	.003385	-1.61
-1.60	.031368	.026153	.020602	.014827	.009080	.003899	-1.60
-1.59	.032485	.027235	.021625	.015759	.009868	.004460	-1.59
-1.58	.033629	.028346	.022683	.016729	.010699	.005069	-1.58
-1.57	.034801	.029489	.023775	.017738	.011574	.005729	-1.57
-1.56	.036002	.030664	.024902	.018786	.012494	.006439	-1.56
-1.55	.037232	.031870	.026064	.019873	.013459	.007202	-1.55
-1.54	.038490	.033108	.027262	.021001	.014470	.008018	-1.54
-1.53	.039778	.034378	.028496	.022170	.015528	.008889	-1.53
-1.52	.041096	.035681	.029766	.023380	.016633	.009816	-1.52
-1.51	.042444	.037018	.031074	.024632	.017786	.010799	-1.51
-1.50	.043821	.038387	.032418	.025926	.018988	.011839	-1.50

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-1.49	.068112	.065277	.062096	.058538	.054566	.050143	-1.49
-1.48	.069437	.066627	.063471	.059935	.055982	.051574	-1.48
-1.47	.070781	.067998	.064867	.061355	.057424	.053033	-1.47
-1.46	.072145	.069390	.066287	.062800	.058892	.054520	-1.46
-1.45	.073529	.070804	.067729	.064270	.060387	.056036	-1.45
-1.44	.074934	.072239	.069194	.065764	.061908	.057580	-1.44
-1.43	.076359	.073696	.070682	.067283	.063455	.059154	-1.43
-1.42	.077804	.075174	.072194	.068827	.065030	.060757	-1.42
-1.41	.079270	.076675	.073729	.070398	.066631	.062389	-1.41
-1.40	.080757	.078197	.075288	.071990	.068260	.064051	-1.40
-1.39	.082264	.079742	.076870	.073609	.069916	.065742	-1.39
-1.38	.083793	.081310	.078476	.075254	.071600	.067463	-1.38
-1.37	.085343	.082899	.080106	.076925	.073312	.069214	-1.37
-1.36	.086915	.084512	.081761	.078622	.075051	.070995	-1.36
-1.35	.088508	.086147	.083439	.080345	.076818	.072807	-1.35
-1.34	.090123	.087806	.085143	.082094	.078613	.074649	-1.34
-1.33	.091759	.089487	.086870	.083869	.080436	.076521	-1.33
-1.32	.093418	.091192	.088623	.085670	.082288	.078423	-1.32
-1.31	.095098	.092920	.090400	.087498	.084168	.080357	-1.31
-1.30	.096800	.094671	.092202	.089353	.086077	.082321	-1.30
-1.29	.098525	.096446	.094029	.091234	.088014	.084316	-1.29
-1.28	.100273	.098245	.095881	.093142	.089980	.086341	-1.28
-1.27	.102042	.100068	.097759	.095076	.091974	.088398	-1.27
-1.26	.103835	.101914	.099662	.097038	.093997	.090485	-1.26
-1.25	.105650	.103785	.101590	.099027	.096050	.092604	-1.25
-1.24	.107488	.105679	.103544	.101043	.098131	.094754	-1.24
-1.23	.109349	.107598	.105523	.103086	.100241	.096934	-1.23
-1.22	.111232	.109541	.107528	.105156	.102380	.099146	-1.22
-1.21	.113139	.111508	.109559	.107254	.104548	.101389	-1.21
-1.20	.115070	.113500	.111616	.109379	.106746	.103663	-1.20
-1.19	.117023	.115516	.113698	.111531	.108972	.105968	-1.19
-1.18	.119000	.117557	.115806	.113711	.111228	.108304	-1.18
-1.17	.121000	.119622	.117941	.115918	.113512	.110671	-1.17
-1.16	.123024	.121713	.120101	.118153	.115826	.113069	-1.16
-1.15	.125072	.123828	.122288	.120415	.118169	.115498	-1.15
-1.14	.127143	.125968	.124500	.122705	.120541	.117958	-1.14
-1.13	.129238	.128132	.126739	.125022	.122942	.120448	-1.13
-1.12	.131357	.130322	.129004	.127367	.125172	.122970	-1.12
-1.11	.133500	.132537	.131294	.129739	.127831	.125522	-1.11
-1.10	.135666	.134776	.133612	.132139	.130319	.128104	-1.10
-1.09	.137857	.137041	.135955	.134566	.132836	.130717	-1.09
-1.08	.140071	.139330	.138324	.137021	.135381	.133361	-1.08
-1.07	.142310	.141645	.140720	.139503	.137955	.136034	-1.07
-1.06	.144572	.143985	.143142	.142012	.140558	.138738	-1.06
-1.05	.146859	.146350	.145590	.144549	.143190	.141472	-1.05
-1.04	.149170	.148740	.148064	.147112	.145850	.144235	-1.04
-1.03	.151505	.151155	.150564	.149703	.148538	.147029	-1.03
-1.02	.153864	.153595	.153090	.152322	.151255	.149851	-1.02
-1.01	.156248	.156060	.155643	.154967	.154000	.152703	-1.01
-1.00	.158655	.158551	.158221	.157639	.156773	.155584	-1.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-1.49	.045229	.039790	.033800	.027262	.020239	.012937	-1.49
-1.48	.046668	.041227	.035220	.028641	.021539	.014094	-1.48
-1.47	.048138	.042698	.036678	.030063	.022890	.015311	-1.47
-1.46	.049638	.044203	.038174	.031529	.024290	.016587	-1.46
-1.45	.051170	.045743	.039709	.033039	.025742	.017923	-1.45
-1.44	.052734	.047317	.041282	.034592	.027244	.019321	-1.44
-1.43	.054329	.048927	.042895	.036190	.028798	.020779	-1.43
-1.42	.055956	.050571	.044547	.037833	.030403	.022299	-1.42
-1.41	.057615	.052252	.046239	.039520	.032060	.023880	-1.41
-1.40	.059306	.053967	.047970	.041252	.033769	.025523	-1.40
-1.39	.061030	.055718	.049741	.043029	.035530	.027228	-1.39
-1.38	.062786	.057506	.051551	.044852	.037343	.028995	-1.38
-1.37	.064575	.059329	.053402	.046719	.039208	.030824	-1.37
-1.36	.066397	.061188	.055293	.048632	.041126	.032714	-1.36
-1.35	.068251	.063083	.057225	.050591	.043095	.034667	-1.35
-1.34	.070139	.065015	.059196	.052595	.045117	.036681	-1.34
-1.33	.072060	.066983	.061208	.054644	.047191	.038756	-1.33
-1.32	.074014	.068987	.063260	.056738	.049318	.040893	-1.32
-1.31	.076001	.071028	.065353	.058878	.051496	.043090	-1.31
-1.30	.078021	.073105	.067486	.061064	.053725	.045348	-1.30
-1.29	.080075	.075219	.069659	.063294	.056007	.047667	-1.29
-1.28	.082163	.077370	.071873	.065570	.058339	.050045	-1.28
-1.27	.084284	.079557	.074127	.067891	.060723	.052482	-1.27
-1.26	.086438	.081780	.076422	.070256	.063157	.054978	-1.26
-1.25	.088626	.084040	.078756	.072666	.065642	.057533	-1.25
-1.24	.090847	.086336	.081130	.075121	.068178	.060146	-1.24
-1.23	.093102	.088669	.083545	.077620	.070763	.062816	-1.23
-1.22	.095391	.091038	.085999	.080163	.073397	.065543	-1.22
-1.21	.097712	.093444	.088493	.082749	.076081	.068325	-1.21
-1.20	.100068	.095885	.091026	.085380	.078813	.071164	-1.20
-1.19	.102456	.098363	.093598	.088053	.081594	.074057	-1.19
-1.18	.104878	.100876	.096210	.090770	.084422	.077004	-1.18
-1.17	.107333	.103426	.098860	.093529	.087298	.080004	-1.17
-1.16	.109821	.106011	.101549	.096330	.090221	.083057	-1.16
-1.15	.112342	.108631	.104277	.099173	.093189	.086162	-1.15
-1.14	.114897	.111287	.107042	.102058	.096204	.089318	-1.14
-1.13	.117484	.113978	.109846	.104984	.099264	.092525	-1.13
-1.12	.120103	.116704	.112687	.107951	.102368	.095781	-1.12
-1.11	.122756	.119464	.115565	.110958	.105517	.099086	-1.11
-1.10	.125440	.122259	.118480	.114005	.108708	.102438	-1.10
-1.09	.128157	.125089	.121433	.117091	.111943	.105838	-1.09
-1.08	.130906	.127952	.124421	.120216	.115220	.109283	-1.08
-1.07	.133687	.130849	.127445	.123380	.118539	.112774	-1.07
-1.06	.136499	.133780	.130505	.126582	.121898	.116310	-1.06
-1.05	.139344	.136744	.133600	.129822	.125298	.119888	-1.05
-1.04	.142219	.139741	.136731	.133099	.128737	.123510	-1.04
-1.03	.145125	.142771	.139895	.136412	.132215	.127173	-1.03
-1.02	.148063	.145833	.143094	.139761	.135732	.130877	-1.02
-1.01	.151031	.148927	.146326	.143146	.139286	.134621	-1.01
-1.00	.154029	.152053	.149592	.146565	.142877	.138404	-1.00

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-.99	.161087	.161066	.160825	.160338	.159573	.158494	-.99
-.98	.163543	.163606	.163455	.163064	.162402	.161433	-.98
-.97	.166023	.166172	.166111	.165816	.165258	.164401	-.97
-.96	.168528	.168762	.168792	.168595	.168141	.167396	-.96
-.95	.171056	.171377	.171500	.171400	.171052	.170420	-.95
-.94	.173609	.174017	.174232	.174232	.173989	.173472	-.94
-.93	.176186	.176682	.176990	.177090	.176954	.176551	-.93
-.92	.178786	.179371	.179774	.179974	.179945	.179658	-.92
-.91	.181411	.182085	.182583	.182883	.182963	.182792	-.91
-.90	.184060	.184823	.185416	.185819	.186007	.185953	-.90
-.89	.186733	.187587	.188275	.188780	.189077	.189140	-.89
-.88	.189430	.190374	.191159	.191766	.192173	.192354	-.88
-.87	.192150	.193186	.194068	.194778	.195295	.195594	-.87
-.86	.194895	.196022	.197001	.197814	.198442	.198860	-.86
-.85	.197663	.198882	.199959	.200876	.201614	.202151	-.85
-.84	.200454	.201766	.202941	.203962	.204812	.205467	-.84
-.83	.203269	.204674	.205947	.207073	.208034	.208808	-.83
-.82	.206108	.207606	.208977	.210208	.211280	.212174	-.82
-.81	.208970	.210561	.212031	.213366	.214551	.215564	-.81
-.80	.211855	.213540	.215109	.216549	.217845	.218978	-.80
-.79	.214764	.216542	.218210	.219756	.221163	.222415	-.79
-.78	.217695	.219568	.221335	.222985	.224504	.225876	-.78
-.77	.220650	.222616	.224483	.226238	.227869	.229359	-.77
-.76	.223627	.225687	.227653	.229514	.231256	.232865	-.76
-.75	.226627	.228782	.230847	.232812	.234666	.236393	-.75
-.74	.229650	.231898	.234063	.236133	.238097	.239943	-.74
-.73	.232695	.235038	.237301	.239476	.241551	.243514	-.73
-.72	.235762	.238199	.240561	.242840	.245026	.247106	-.72
-.71	.238852	.241382	.243843	.246227	.248522	.250719	-.71
-.70	.241964	.244588	.247147	.249634	.252039	.254353	-.70
-.69	.245097	.247815	.250472	.253063	.255577	.258006	-.69
-.68	.248252	.251063	.253819	.256512	.259135	.261678	-.68
-.67	.251429	.254333	.257186	.259982	.262712	.265370	-.67
-.66	.254627	.257624	.260574	.263471	.266310	.269080	-.66
-.65	.257846	.260935	.263982	.266981	.269926	.272809	-.65
-.64	.261086	.264267	.267410	.270510	.273561	.276555	-.64
-.63	.264347	.267620	.270858	.274058	.277214	.280319	-.63
-.62	.267629	.270993	.274326	.277625	.280885	.284100	-.62
-.61	.270931	.274385	.277813	.281211	.284574	.287897	-.61
-.60	.274253	.277797	.281319	.284815	.288281	.291711	-.60
-.59	.277595	.281229	.284844	.288437	.292004	.295540	-.59
-.58	.280957	.284680	.288387	.292076	.295743	.299385	-.58
-.57	.284339	.288149	.291948	.295732	.299499	.303244	-.57
-.56	.287740	.291638	.295527	.299406	.303270	.307118	-.56
-.55	.291160	.295144	.299123	.303095	.307057	.311006	-.55
-.54	.294599	.298669	.302737	.306801	.310859	.314908	-.54
-.53	.298056	.302211	.306368	.310523	.314675	.318822	-.53
-.52	.301532	.305771	.310015	.314260	.318506	.322749	-.52
-.51	.305026	.309349	.313678	.318012	.322350	.326689	-.51
-.50	.308538	.312943	.317357	.321779	.326207	.330640	-.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-.99	.157058	.155211	.152890	.150019	.146503	.142224	-.99
-.98	.160116	.158399	.156221	.153507	.150166	.146082	-.98
-.97	.163204	.161618	.159584	.157028	.153862	.149976	-.97
-.96	.166321	.164868	.162978	.160582	.157593	.153905	-.96
-.95	.169468	.168147	.166403	.164168	.161357	.157869	-.95
-.94	.172643	.171457	.169859	.167785	.165153	.161866	-.94
-.93	.175846	.174795	.173345	.171433	.168981	.165895	-.93
-.92	.179078	.178162	.176860	.175111	.172840	.169956	-.92
-.91	.182337	.181558	.180405	.178819	.176729	.174047	-.91
-.90	.185624	.184981	.183978	.182556	.180648	.178168	-.90
-.89	.188938	.188433	.187578	.186321	.184595	.182317	-.89
-.88	.192279	.191911	.191207	.190114	.188569	.186495	-.88
-.87	.195646	.195416	.194862	.193934	.192571	.190699	-.87
-.86	.199040	.198948	.198544	.197781	.196599	.194929	-.86
-.85	.202459	.202505	.202252	.201653	.200653	.199184	-.85
-.84	.205903	.206088	.205985	.205551	.204731	.203463	-.84
-.83	.209372	.209695	.209743	.209473	.208834	.207765	-.83
-.82	.212866	.213328	.213525	.213419	.212959	.212089	-.82
-.81	.216384	.216984	.217331	.217388	.217107	.216434	-.81
-.80	.219926	.220654	.221160	.221379	.221277	.220801	-.80
-.79	.223491	.224366	.225012	.225393	.225468	.225186	-.79
-.78	.227079	.228092	.228886	.229428	.229678	.229590	-.78
-.77	.230690	.231839	.232781	.233483	.233909	.234012	-.77
-.76	.234323	.235608	.236697	.237558	.238157	.238451	-.76
-.75	.237977	.239399	.240633	.241653	.242424	.242906	-.75
-.74	.241653	.243210	.244589	.245766	.246708	.247376	-.74
-.73	.245350	.247040	.248565	.249897	.251008	.251861	-.73
-.72	.249067	.250891	.252558	.254045	.255323	.256359	-.72
-.71	.252804	.254761	.256570	.258210	.259654	.260869	-.71
-.70	.256561	.258649	.260599	.262391	.263998	.265392	-.70
-.69	.260336	.262555	.264645	.266587	.268356	.269926	-.69
-.68	.264131	.266479	.268708	.270798	.272727	.274469	-.68
-.67	.267943	.270420	.272786	.275022	.277110	.279023	-.67
-.66	.271773	.274377	.276879	.279260	.281503	.283585	-.66
-.65	.275621	.278351	.280986	.283511	.285908	.288154	-.65
-.64	.279485	.282340	.285107	.287774	.290322	.292731	-.64
-.63	.283365	.286343	.289242	.292048	.294745	.297315	-.63
-.62	.287261	.290361	.293389	.296333	.299177	.301903	-.62
-.61	.291173	.294394	.297549	.300628	.303616	.306497	-.61
-.60	.295099	.298439	.301720	.304932	.308063	.311095	-.60
-.59	.299040	.302497	.305902	.309246	.312515	.315697	-.59
-.58	.302995	.306568	.310095	.313567	.316974	.320301	-.58
-.57	.306963	.310650	.314297	.317897	.321437	.324907	-.57
-.56	.310944	.314743	.318509	.322233	.325905	.329514	-.56
-.55	.314938	.318848	.322729	.326575	.330377	.334122	-.55
-.54	.318944	.322962	.326958	.330924	.334851	.338730	-.54
-.53	.322961	.327086	.331194	.335277	.339328	.343338	-.53
-.52	.326989	.331219	.335437	.339635	.343807	.347944	-.52
-.51	.331027	.335361	.339686	.343997	.348287	.352548	-.51
-.50	.335076	.339511	.343942	.348363	.352768	.357150	-.50

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
-.49	.312067	.316554	.321051	.325560	.330077	.334603	-.49
-.48	.315614	.320181	.324761	.329354	.333960	.338576	-.48
-.47	.319178	.323824	.328486	.333163	.337854	.342560	-.47
-.46	.322758	.327483	.332225	.336984	.341761	.346553	-.46
-.45	.326355	.331157	.335978	.340819	.345678	.350557	-.45
-.44	.329969	.334846	.339745	.344665	.349607	.354569	-.44
-.43	.333598	.338550	.343525	.348524	.353545	.358590	-.43
-.42	.337243	.342269	.347319	.352394	.357494	.362619	-.42
-.41	.340903	.346001	.351125	.356275	.361452	.366655	-.41
-.40	.344578	.349747	.354944	.360167	.365419	.370699	-.40
-.39	.348268	.353507	.358774	.364070	.369395	.374749	-.39
-.38	.351973	.357280	.362616	.367982	.373379	.378806	-.38
-.37	.355691	.361065	.366469	.371904	.377371	.382869	-.37
-.36	.359424	.364863	.370333	.375835	.381370	.386937	-.36
-.35	.363169	.368673	.374208	.379775	.385376	.391010	-.35
-.34	.366928	.372494	.378092	.383723	.389388	.395087	-.34
-.33	.370700	.376327	.381986	.387680	.393407	.399169	-.33
-.32	.374484	.380171	.385890	.391643	.397431	.403254	-.32
-.31	.378280	.384025	.389802	.395614	.401460	.407342	-.31
-.30	.382089	.387889	.393723	.399591	.405494	.411432	-.30
-.29	.385908	.391763	.397652	.403575	.409532	.415525	-.29
-.28	.389739	.395647	.401589	.407564	.413575	.419620	-.28
-.27	.393580	.399540	.405533	.411559	.417620	.423716	-.27
-.26	.397432	.403441	.409483	.415559	.421669	.427813	-.26
-.25	.401294	.407351	.413441	.419563	.425720	.431910	-.25
-.24	.405165	.411269	.417404	.423572	.429773	.436008	-.24
-.23	.409046	.415194	.421373	.427584	.433828	.440105	-.23
-.22	.412936	.419126	.425348	.431600	.437884	.444201	-.22
-.21	.416834	.423066	.429327	.435619	.441941	.448296	-.21
-.20	.420740	.427011	.433311	.439640	.445999	.452389	-.20
-.19	.424655	.430963	.437298	.443663	.450056	.456479	-.19
-.18	.428576	.434920	.441290	.447688	.454113	.460568	-.18
-.17	.432505	.438882	.445284	.451714	.458170	.464653	-.17
-.16	.436441	.442849	.449282	.455740	.462225	.468735	-.16
-.15	.440382	.446820	.453282	.459768	.466278	.472813	-.15
-.14	.444330	.450796	.457284	.463795	.470329	.476887	-.14
-.13	.448283	.454775	.461288	.467822	.474378	.480956	-.13
-.12	.452242	.458757	.465293	.471848	.478424	.485020	-.12
-.11	.456205	.462742	.469298	.475873	.482466	.489079	-.11
-.10	.460172	.466730	.473304	.479896	.486505	.493132	-.10
-.09	.464144	.470719	.477310	.483917	.490540	.497178	-.09
-.08	.468119	.474711	.481316	.487936	.494570	.501218	-.08
-.07	.472097	.478703	.485321	.491952	.498595	.505251	-.07
-.06	.476078	.482696	.489325	.495964	.502615	.509277	-.06
-.05	.480061	.486690	.493327	.499973	.506629	.513295	-.05
-.04	.484047	.490683	.497327	.503978	.510637	.517310	-.04
-.03	.488034	.494676	.501324	.507978	.514639	.521306	-.03
-.02	.492022	.498668	.505319	.511974	.518634	.525298	-.02
-.01	.496011	.502660	.509311	.515965	.522621	.529282	-.01
.00	.500000	.506649	.513299	.519949	.526602	.533255	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-.49	.339134	.343668	.348202	.352731	.357249	.361748	-.49
-.48	.343201	.347833	.352468	.357102	.361729	.366343	-.48
-.47	.347277	.352004	.356737	.361474	.366208	.370934	-.47
-.46	.351361	.356181	.361011	.365847	.370685	.375519	-.46
-.45	.355452	.360363	.365287	.370221	.375160	.380099	-.45
-.44	.359551	.364551	.369566	.374595	.379632	.384673	-.44
-.43	.363656	.368742	.373847	.378968	.384101	.389240	-.43
-.42	.367767	.372938	.378130	.383340	.388565	.393800	-.42
-.41	.371884	.377137	.382414	.387711	.393025	.398353	-.41
-.40	.376006	.381340	.386698	.392079	.397480	.402897	-.40
-.39	.380133	.385544	.390982	.396445	.401930	.407432	-.39
-.38	.384264	.389751	.395266	.400808	.406373	.411958	-.38
-.37	.388398	.393959	.399549	.405167	.410810	.416475	-.37
-.36	.392536	.398168	.403830	.409522	.415240	.420981	-.36
-.35	.396677	.402377	.408109	.413872	.419662	.425476	-.35
-.34	.400820	.406587	.412386	.418217	.424076	.429961	-.34
-.33	.404965	.410796	.416660	.422556	.428482	.434434	-.33
-.32	.409111	.415004	.420930	.426889	.432878	.438895	-.32
-.31	.413259	.419211	.425197	.431216	.437266	.443343	-.31
-.30	.417406	.423415	.429459	.435535	.441643	.447779	-.30
-.29	.421554	.427618	.433716	.439848	.446010	.452201	-.29
-.28	.425701	.431817	.437968	.444152	.450366	.456610	-.28
-.27	.429847	.436014	.442214	.448448	.454712	.461004	-.27
-.26	.433992	.440206	.446454	.452735	.459046	.465384	-.26
-.25	.438136	.444395	.450687	.457012	.463367	.469750	-.25
-.24	.442276	.448579	.454914	.461281	.467677	.474100	-.24
-.23	.446415	.452758	.459133	.465539	.471974	.478435	-.23
-.22	.450550	.456931	.463344	.469786	.476257	.482754	-.22
-.21	.454681	.461099	.467546	.474023	.480527	.487056	-.21
-.20	.458809	.465260	.471740	.478249	.484784	.491343	-.20
-.19	.462932	.469414	.475925	.482463	.489026	.495612	-.19
-.18	.467051	.473562	.480100	.486665	.493254	.499864	-.18
-.17	.471164	.477702	.484266	.490855	.497467	.504099	-.17
-.16	.475271	.481834	.488421	.495032	.501665	.508316	-.16
-.15	.479373	.485957	.492566	.499196	.505847	.512515	-.15
-.14	.483468	.490072	.496699	.503347	.510013	.516696	-.14
-.13	.487556	.494178	.500821	.507484	.514164	.520858	-.13
-.12	.491637	.498275	.504932	.511607	.518298	.525002	-.12
-.11	.495711	.502362	.509030	.515715	.522415	.529126	-.11
-.10	.499776	.506438	.513116	.519809	.526515	.533232	-.10
-.09	.503833	.510504	.517189	.523888	.530598	.537317	-.09
-.08	.507882	.514559	.521249	.527952	.534664	.541383	-.08
-.07	.511921	.518603	.525296	.532000	.538712	.545429	-.07
-.06	.515951	.522635	.529329	.536032	.542742	.549455	-.06
-.05	.519970	.526655	.533348	.540048	.546753	.553461	-.05
-.04	.523980	.530663	.537353	.544048	.550746	.557446	-.04
-.03	.527979	.534659	.541343	.548031	.554721	.561410	-.03
-.02	.531968	.538641	.545318	.551997	.558676	.565354	-.02
-.01	.535945	.542610	.549278	.555946	.562613	.569276	-.01
.00	.539910	.546566	.553222	.559878	.566530	.573177	.00

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
.00	.500000	.506649	.513299	.519949	.526602	.533255	.00
.01	.503989	.510637	.517283	.523928	.530574	.537219	.01
.02	.507978	.514622	.521263	.527901	.534537	.541172	.02
.03	.511966	.518604	.525237	.531867	.538493	.545115	.03
.04	.515953	.522583	.529207	.535825	.542439	.549047	.04
.05	.519939	.526559	.533171	.539777	.546375	.552967	.05
.06	.523922	.530531	.537130	.543720	.550302	.556876	.06
.07	.527903	.534498	.541082	.547655	.554219	.560774	.07
.08	.531881	.538460	.545027	.551582	.558126	.564658	.08
.09	.535856	.542418	.548965	.555500	.562021	.568531	.09
.10	.539828	.546370	.552896	.559408	.565906	.572390	.10
.11	.543795	.550316	.556819	.563307	.569779	.576236	.11
.12	.547758	.554255	.560734	.567196	.573641	.580069	.12
.13	.551717	.558189	.564641	.571075	.577490	.583888	.13
.14	.555670	.562115	.568539	.574943	.581327	.587693	.14
.15	.559618	.566033	.572427	.578800	.585152	.591484	.15
.16	.563559	.569944	.576306	.582645	.588963	.595260	.16
.17	.567495	.573847	.580175	.586479	.592761	.599022	.17
.18	.571424	.577741	.584033	.590301	.596546	.602768	.18
.19	.575345	.581626	.587881	.594111	.600317	.606499	.19
.20	.579260	.585503	.591719	.597909	.604073	.610214	.20
.21	.583166	.589369	.595545	.601693	.607816	.613913	.21
.22	.587064	.593226	.599359	.605464	.611543	.617596	.22
.23	.590954	.597072	.603161	.609222	.615256	.621263	.23
.24	.594835	.600908	.606951	.612966	.618953	.624913	.24
.25	.598706	.604733	.610729	.616696	.622635	.628546	.25
.26	.602568	.608546	.614493	.620411	.626301	.632163	.26
.27	.606420	.612348	.618245	.624112	.629951	.635762	.27
.28	.610261	.616138	.621983	.627798	.633585	.639343	.28
.29	.614092	.619915	.625707	.631469	.637202	.642907	.29
.30	.617911	.623680	.629417	.635125	.640803	.646453	.30
.31	.621720	.627432	.633113	.638764	.644386	.649981	.31
.32	.625516	.631170	.636794	.642388	.647953	.653490	.32
.33	.629300	.634895	.640460	.645995	.651502	.656981	.33
.34	.633072	.638606	.644111	.649586	.655034	.660454	.34
.35	.636831	.642303	.647746	.653161	.658547	.663907	.35
.36	.640576	.645986	.651366	.656718	.662043	.667342	.36
.37	.644309	.649653	.654970	.660258	.665521	.670757	.37
.38	.648027	.653306	.658557	.663781	.668980	.674153	.38
.39	.651732	.656943	.662128	.667286	.672420	.677530	.39
.40	.655422	.660564	.665682	.670774	.675842	.680887	.40
.41	.659097	.664170	.669218	.674243	.679245	.684224	.41
.42	.662757	.667759	.672738	.677694	.682628	.687541	.42
.43	.666402	.671332	.676240	.681127	.685993	.690838	.43
.44	.670031	.674888	.679724	.684541	.689338	.694115	.44
.45	.673645	.678427	.683191	.687936	.692663	.697372	.45
.46	.677242	.681949	.686639	.691312	.695968	.700608	.46
.47	.680822	.685453	.690069	.694669	.699254	.703824	.47
.48	.684386	.688940	.693480	.698006	.702519	.707019	.48
.49	.687933	.692408	.696872	.701324	.705765	.710194	.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	.539910	.546566	.553222	.559878	.566530	.573177	.00
.01	.543864	.550508	.557151	.563791	.570427	.577057	.01
.02	.547805	.554436	.561064	.567687	.574305	.580915	.02
.03	.551734	.558349	.564960	.571565	.578163	.584751	.03
.04	.555650	.562248	.568840	.575425	.582001	.588566	.04
.05	.559553	.566132	.572703	.579266	.585818	.592359	.05
.06	.563443	.570001	.576549	.583088	.589616	.596129	.06
.07	.567318	.573854	.580378	.586892	.593392	.599878	.07
.08	.571180	.577691	.584190	.590676	.597148	.603604	.08
.09	.575028	.581512	.587983	.594441	.600883	.607307	.09
.10	.578861	.585317	.591759	.598186	.604597	.610988	.10
.11	.582679	.589106	.595517	.601912	.608289	.614647	.11
.12	.586481	.592877	.599257	.605618	.611961	.618283	.12
.13	.590269	.596632	.602977	.609304	.615611	.621896	.13
.14	.594041	.600370	.606680	.612970	.619239	.625486	.14
.15	.597797	.604090	.610363	.616615	.622846	.629053	.15
.16	.601537	.607792	.614027	.620241	.626431	.632598	.16
.17	.605260	.611477	.617672	.623845	.629994	.636119	.17
.18	.608967	.615144	.621298	.627429	.633536	.639617	.18
.19	.612657	.618792	.624904	.630992	.637055	.643092	.19
.20	.616330	.622422	.628490	.634534	.640552	.646544	.20
.21	.619986	.626034	.632057	.638055	.644027	.649972	.21
.22	.623624	.629626	.635603	.641555	.647480	.653377	.22
.23	.627244	.633200	.639130	.645033	.650910	.656759	.23
.24	.630847	.636754	.642636	.648491	.654318	.660118	.24
.25	.634431	.640289	.646121	.651926	.657704	.663453	.25
.26	.637997	.643805	.649586	.655341	.661067	.666765	.26
.27	.641545	.647301	.653031	.658733	.664408	.670053	.27
.28	.645074	.650778	.656455	.662104	.667726	.673318	.28
.29	.648584	.654234	.659857	.665453	.671021	.676560	.29
.30	.652075	.657671	.663239	.668780	.674294	.679778	.30
.31	.655547	.661087	.666600	.672086	.677544	.682973	.31
.32	.659000	.664483	.669939	.675369	.680771	.686145	.32
.33	.662433	.667859	.673258	.678630	.683976	.689293	.33
.34	.665847	.671214	.676555	.681870	.687157	.692417	.34
.35	.669241	.674548	.679830	.685087	.690316	.695519	.35
.36	.672615	.677862	.683085	.688282	.693453	.698597	.36
.37	.675969	.681155	.686317	.691454	.696566	.701652	.37
.38	.679302	.684427	.689528	.694605	.699657	.704683	.38
.39	.682616	.687678	.692717	.697733	.702725	.707692	.39
.40	.685909	.690908	.695885	.700839	.705770	.710677	.40
.41	.689181	.694117	.699031	.703923	.708793	.713639	.41
.42	.692433	.697304	.702155	.706984	.711792	.716577	.42
.43	.695664	.700470	.705257	.710023	.714769	.719493	.43
.44	.698875	.703615	.708337	.713040	.717723	.722386	.44
.45	.702064	.706739	.711396	.716035	.720655	.725256	.45
.46	.705232	.709840	.714432	.719007	.723564	.728103	.46
.47	.708380	.712921	.717446	.721957	.726450	.730927	.47
.48	.711506	.715979	.720439	.724884	.729314	.733728	.48
.49	.714611	.719016	.723409	.727789	.732155	.736506	.49

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
.50	.691462	.695859	.700245	.704622	.708990	.713347	.50
.51	.694974	.699290	.703599	.707901	.712194	.716480	.51
.52	.698468	.702704	.706934	.711159	.715378	.719591	.52
.53	.701944	.706098	.710249	.714397	.718541	.722681	.53
.54	.705401	.709473	.713544	.717615	.721684	.725751	.54
.55	.708840	.712829	.716820	.720812	.724805	.728798	.55
.56	.712260	.716165	.720075	.723989	.727906	.731825	.56
.57	.715661	.719481	.723310	.727145	.730985	.734830	.57
.58	.719043	.722778	.726524	.730280	.734043	.737814	.58
.59	.722405	.726054	.729718	.733394	.737080	.740776	.59
.60	.725747	.729311	.732891	.736487	.740096	.743716	.60
.61	.729069	.732546	.736044	.739559	.743090	.746635	.61
.62	.732371	.735761	.739175	.742609	.746062	.749532	.62
.63	.735653	.738955	.742285	.745638	.749013	.752407	.63
.64	.738914	.742129	.745374	.748646	.751942	.755261	.64
.65	.742154	.745281	.748441	.751632	.754850	.758093	.65
.66	.745373	.748411	.751487	.754596	.757736	.760902	.66
.67	.748571	.751521	.754511	.757539	.760599	.763691	.67
.68	.751748	.754608	.757514	.760459	.763441	.766457	.68
.69	.754903	.757674	.760494	.763358	.766261	.769201	.69
.70	.758036	.760719	.763453	.766235	.769060	.771923	.70
.71	.761148	.763741	.766390	.769090	.771836	.774624	.71
.72	.764238	.766741	.769304	.771922	.774590	.777302	.72
.73	.767305	.769719	.772196	.774733	.777322	.779959	.73
.74	.770350	.772674	.775067	.777521	.780032	.782593	.74
.75	.773373	.775607	.777914	.780287	.782719	.785206	.75
.76	.776373	.778518	.780739	.783031	.785385	.787797	.76
.77	.779350	.781406	.783542	.785752	.788029	.790366	.77
.78	.782305	.784271	.786322	.788451	.790650	.792913	.78
.79	.785236	.787113	.789080	.791128	.793249	.795438	.79
.80	.788145	.789933	.791815	.793782	.795826	.797941	.80
.81	.791030	.792729	.794527	.796414	.798382	.800423	.81
.82	.793892	.795503	.797217	.799023	.800914	.802883	.82
.83	.796731	.798254	.799883	.801610	.803425	.805321	.83
.84	.799546	.800981	.802527	.804175	.805914	.807737	.84
.85	.802337	.803685	.805148	.806717	.808381	.810132	.85
.86	.805105	.806366	.807747	.809237	.810825	.812505	.86
.87	.807850	.809024	.810322	.811734	.813248	.814856	.87
.88	.810570	.811658	.812875	.814208	.815649	.817186	.88
.89	.813267	.814269	.815404	.816661	.818027	.819495	.89
.90	.815940	.816856	.817911	.819091	.820384	.821782	.90
.91	.818589	.819420	.820395	.821498	.822719	.824047	.91
.92	.821214	.821961	.822856	.823884	.825032	.826291	.92
.93	.823814	.824478	.825294	.826247	.827324	.828515	.93
.94	.826391	.826972	.827709	.828587	.829593	.830716	.94
.95	.828944	.829443	.830101	.830905	.831841	.832897	.95
.96	.831472	.831889	.832471	.833202	.834068	.835057	.96
.97	.833977	.834313	.834818	.835476	.836272	.837196	.97
.98	.836457	.836713	.837142	.837727	.838456	.839314	.98
.99	.838913	.839089	.839443	.839957	.840618	.841411	.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.50	.717694	.722031	.726358	.730672	.734974	.739262	.50
.51	.720757	.725025	.729284	.733533	.737770	.741995	.51
.52	.723797	.727997	.732188	.736371	.740544	.744706	.52
.53	.726817	.730947	.735070	.739187	.743296	.747394	.53
.54	.729815	.733875	.737931	.741981	.746025	.750060	.54
.55	.732791	.736781	.740769	.744753	.748732	.752704	.55
.56	.735745	.739666	.743585	.747503	.751416	.755325	.56
.57	.738678	.742528	.746379	.750230	.754079	.757924	.57
.58	.741589	.745369	.749152	.752936	.756720	.760501	.58
.59	.744479	.748188	.751902	.755619	.759338	.763056	.59
.60	.747346	.750985	.755130	.758281	.761935	.765590	.60
.61	.750192	.753760	.757337	.760920	.764509	.768101	.61
.62	.753016	.756513	.760021	.763538	.767062	.770591	.62
.63	.755818	.759245	.762684	.766134	.769593	.773059	.63
.64	.758599	.761954	.765325	.768708	.772103	.775505	.64
.65	.761357	.764642	.767944	.771261	.774590	.777930	.65
.66	.764094	.767308	.770541	.773792	.777057	.780334	.66
.67	.766809	.769952	.773117	.776301	.779502	.782717	.67
.68	.769502	.772574	.775671	.778789	.781925	.785078	.68
.69	.772173	.775175	.778203	.781255	.784328	.787418	.69
.70	.774822	.777754	.780714	.783700	.786709	.789738	.70
.71	.777450	.780311	.783203	.786124	.789069	.792036	.71
.72	.780056	.782847	.785671	.788526	.791408	.794314	.72
.73	.782640	.785361	.788118	.790908	.793727	.796571	.73
.74	.785202	.787853	.790543	.793268	.796024	.798808	.74
.75	.787743	.790324	.792947	.795607	.798301	.801024	.75
.76	.790262	.792774	.795330	.797926	.800557	.803220	.76
.77	.792759	.795202	.797692	.800223	.802793	.805396	.77
.78	.795234	.797609	.800033	.802500	.805008	.807551	.78
.79	.797688	.799995	.802352	.804757	.807203	.809687	.79
.80	.800121	.802359	.804651	.806992	.809378	.811803	.80
.81	.802532	.804703	.806929	.809208	.811532	.813899	.81
.82	.804922	.807025	.809187	.811403	.813667	.815975	.82
.83	.807290	.809326	.811424	.813577	.815782	.818032	.83
.84	.809637	.811606	.813640	.815732	.817877	.820070	.84
.85	.811962	.813866	.815835	.817866	.819952	.822088	.85
.86	.814267	.816104	.818011	.819980	.822008	.824087	.86
.87	.816550	.818322	.820166	.822075	.824044	.826067	.87
.88	.818812	.820519	.822301	.824150	.826061	.828028	.88
.89	.821053	.822696	.824415	.826205	.828059	.829971	.89
.90	.823273	.824852	.826510	.828240	.830037	.831894	.90
.91	.825473	.826988	.828585	.830256	.831997	.833799	.91
.92	.827651	.829103	.830640	.832253	.833937	.835686	.92
.93	.829809	.831198	.832675	.834231	.835859	.837554	.93
.94	.831946	.833274	.834690	.836189	.837762	.839404	.94
.95	.834063	.835329	.836686	.838128	.839647	.841236	.95
.96	.836159	.837364	.838663	.840049	.841513	.843050	.96
.97	.838234	.839379	.840620	.841950	.843361	.844846	.97
.98	.840290	.841374	.842558	.843833	.845191	.846625	.98
.99	.842325	.843350	.844477	.845697	.847002	.848386	.99

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
1.00	.841345	.841442	.841721	.842165	.842758	.843487	1.00
1.01	.843752	.843772	.843977	.844351	.844877	.845543	1.01
1.02	.846136	.846078	.846210	.846515	.846975	.847578	1.02
1.03	.848495	.848361	.848421	.848657	.849052	.849592	1.03
1.04	.850830	.850620	.850609	.850777	.851108	.851586	1.04
1.05	.853141	.852857	.852775	.852876	.853142	.853560	1.05
1.06	.855428	.855070	.854918	.854952	.855156	.855514	1.06
1.07	.857690	.857259	.857039	.857008	.857149	.857447	1.07
1.08	.859929	.859426	.859137	.859042	.859121	.859361	1.08
1.09	.862143	.861570	.861213	.861054	.861073	.861254	1.09
1.10	.864334	.863690	.863268	.863045	.863004	.863128	1.10
1.11	.866500	.865788	.865300	.865015	.864915	.864982	1.11
1.12	.868643	.867862	.867310	.866964	.866805	.866816	1.12
1.13	.870762	.869914	.869298	.868891	.868675	.868631	1.13
1.14	.872857	.871943	.871264	.870798	.870524	.870427	1.14
1.15	.874928	.873949	.873208	.872683	.872354	.872203	1.15
1.16	.876976	.875933	.875131	.874548	.874164	.873960	1.16
1.17	.879000	.877894	.877032	.876393	.875954	.875697	1.17
1.18	.881000	.879832	.878912	.878216	.877724	.877416	1.18
1.19	.882977	.881748	.880771	.880019	.879474	.879116	1.19
1.20	.884930	.883642	.882608	.881802	.881205	.880797	1.20
1.21	.886861	.885514	.884423	.883565	.882916	.882460	1.21
1.22	.888768	.887363	.886218	.885307	.884609	.884104	1.22
1.23	.890651	.889191	.887992	.887029	.886281	.885729	1.23
1.24	.892512	.890997	.889745	.888732	.887935	.887336	1.24
1.25	.894350	.892780	.891477	.890414	.889570	.888925	1.25
1.26	.896165	.894543	.893188	.892077	.891186	.890497	1.26
1.27	.897958	.896283	.894879	.893720	.892783	.892050	1.27
1.28	.899727	.898002	.896550	.895344	.894362	.893585	1.28
1.29	.901475	.899700	.898200	.896948	.895922	.895102	1.29
1.30	.903200	.901376	.899030	.898533	.897464	.896602	1.30
1.31	.904902	.903032	.901440	.900099	.898988	.898085	1.31
1.32	.906582	.904666	.903029	.901646	.900493	.899550	1.32
1.33	.908241	.906280	.904600	.903174	.901980	.900998	1.33
1.34	.909877	.907873	.906150	.904683	.903450	.902429	1.34
1.35	.911492	.909445	.907681	.906174	.904902	.903843	1.35
1.36	.913085	.910996	.909192	.907646	.906336	.905241	1.36
1.37	.914657	.912528	.910684	.909100	.907753	.906621	1.37
1.38	.916207	.914039	.912157	.910536	.909152	.907985	1.38
1.39	.917736	.915530	.913611	.911954	.910534	.909333	1.39
1.40	.919243	.917001	.915046	.913353	.911899	.910664	1.40
1.41	.920730	.918452	.916463	.914735	.913247	.911979	1.41
1.42	.922196	.919884	.917860	.916099	.914579	.913278	1.42
1.43	.923641	.921296	.919239	.917446	.915893	.914561	1.43
1.44	.925066	.922689	.920600	.918775	.917191	.915828	1.44
1.45	.926471	.924062	.921943	.920087	.918473	.917080	1.45
1.46	.927855	.925417	.923267	.921382	.919738	.918316	1.46
1.47	.929219	.926752	.924574	.922660	.920987	.919537	1.47
1.48	.930563	.928060	.925863	.923921	.922221	.920743	1.48
1.49	.931888	.929367	.927134	.925165	.923438	.921933	1.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
1.00	.844340	.845306	.846377	.847543	.848796	.850129	1.00
1.01	.846335	.847243	.848258	.849370	.850572	.851855	1.01
1.02	.848310	.849161	.850120	.851179	.852330	.853564	1.02
1.03	.850265	.851059	.851964	.852970	.854070	.855256	1.03
1.04	.852200	.852938	.853789	.854743	.855793	.856931	1.04
1.05	.854116	.854798	.855595	.856498	.857499	.858589	1.05
1.06	.856012	.856639	.857383	.858236	.859187	.860230	1.06
1.07	.857889	.858461	.859153	.859955	.860859	.861854	1.07
1.08	.859746	.860264	.860905	.861657	.862513	.863463	1.08
1.09	.861584	.862049	.862639	.863342	.864150	.865054	1.09
1.10	.863403	.863815	.864354	.865009	.865771	.866630	1.10
1.11	.865203	.865563	.866052	.866659	.867375	.868189	1.11
1.12	.866984	.867293	.867733	.868293	.868962	.869733	1.12
1.13	.868746	.869004	.869396	.869909	.870533	.871260	1.13
1.14	.870489	.870698	.871041	.871508	.872088	.872772	1.14
1.15	.872214	.872373	.872669	.873090	.873626	.874268	1.15
1.16	.873920	.874031	.874280	.874656	.875149	.875749	1.16
1.17	.875608	.875671	.875874	.876206	.876656	.877214	1.17
1.18	.877277	.877293	.877451	.877739	.878146	.878664	1.18
1.19	.878929	.878898	.879011	.879256	.879622	.880099	1.19
1.20	.880562	.880486	.880554	.880756	.881081	.881519	1.20
1.21	.882178	.882056	.882081	.882241	.882525	.882924	1.21
1.22	.883775	.883609	.883591	.883710	.883954	.884314	1.22
1.23	.885355	.885145	.885085	.885163	.885368	.885690	1.23
1.24	.886918	.886665	.886563	.886601	.886767	.887051	1.24
1.25	.888463	.888167	.888025	.888023	.888150	.888397	1.25
1.26	.889991	.889653	.889470	.889429	.889519	.889730	1.26
1.27	.891501	.891123	.890900	.890821	.890873	.891048	1.27
1.28	.892995	.892576	.892314	.892197	.892213	.892352	1.28
1.29	.894471	.894012	.893712	.893558	.893538	.893642	1.29
1.30	.895931	.895433	.895095	.894904	.894849	.894919	1.30
1.31	.897374	.896838	.896462	.896236	.896146	.896181	1.31
1.32	.898800	.898226	.897815	.897553	.897428	.897430	1.32
1.33	.900210	.899599	.899152	.898855	.898697	.898666	1.33
1.34	.901603	.900956	.900474	.900143	.899951	.899888	1.34
1.35	.902981	.902298	.901781	.901416	.901192	.901098	1.35
1.36	.904342	.903625	.903073	.902676	.902419	.902294	1.36
1.37	.905687	.904936	.904351	.903921	.903633	.903477	1.37
1.38	.907017	.906232	.905614	.905152	.904833	.904647	1.38
1.39	.908331	.907512	.906863	.906370	.906020	.905804	1.39
1.40	.909629	.908778	.908098	.907574	.907194	.906949	1.40
1.41	.910912	.910030	.909318	.908764	.908355	.908081	1.41
1.42	.912179	.911266	.910524	.909941	.909503	.909201	1.42
1.43	.913431	.912488	.911717	.911104	.910638	.910308	1.43
1.44	.914669	.913696	.912895	.912254	.911761	.911403	1.44
1.45	.915891	.914889	.914060	.913391	.912870	.912486	1.45
1.46	.917098	.916068	.915212	.914516	.913968	.913557	1.46
1.47	.918291	.917233	.916350	.915627	.915053	.914617	1.47
1.48	.919469	.918385	.917474	.916725	.916125	.915664	1.48
1.49	.920633	.919522	.918586	.917811	.917186	.916700	1.49

t	SKEWNESS						t
	0	.1	.2	.3	.4	.5	
1.50	.933193	.930647	.928388	.926393	.924639	.923108	1.50
1.51	.934478	.931908	.929625	.927604	.925825	.924269	1.51
1.52	.935745	.933151	.930844	.928799	.926996	.925415	1.52
1.53	.936992	.934376	.932046	.929978	.928151	.926546	1.53
1.54	.938220	.935584	.933232	.931141	.929291	.927663	1.54
1.55	.939429	.936773	.934400	.932288	.930416	.928765	1.55
1.56	.940620	.937945	.935552	.933419	.931526	.929853	1.56
1.57	.941792	.939100	.936688	.934535	.932621	.930927	1.57
1.58	.942947	.940238	.937808	.935635	.933701	.931987	1.58
1.59	.944083	.941358	.938911	.936720	.934767	.933034	1.59
1.60	.945201	.942462	.939998	.937790	.935819	.934066	1.60
1.61	.946301	.943548	.941070	.938845	.936856	.935086	1.61
1.62	.947384	.944619	.942126	.939885	.937879	.936091	1.62
1.63	.948449	.945673	.943166	.940910	.938888	.937084	1.63
1.64	.949497	.946710	.944191	.941921	.939884	.938063	1.64
1.65	.950529	.947732	.945201	.942918	.940866	.939029	1.65
1.66	.951543	.948737	.946195	.943900	.941834	.939982	1.66
1.67	.952540	.949727	.947175	.944868	.942789	.940923	1.67
1.68	.953521	.950701	.948140	.945822	.943730	.941851	1.68
1.69	.954486	.951660	.949191	.946762	.944658	.942766	1.69
1.70	.955435	.952604	.950027	.947688	.945574	.943669	1.70
1.71	.956367	.953532	.950948	.948601	.946476	.944559	1.71
1.72	.957284	.954446	.951856	.949500	.947366	.945438	1.72
1.73	.958185	.955345	.952750	.950387	.948243	.946304	1.73
1.74	.959070	.956229	.953629	.951260	.949107	.947159	1.74
1.75	.959941	.957098	.954495	.952120	.949959	.948002	1.75
1.76	.960796	.957954	.955348	.952967	.950799	.948833	1.76
1.77	.961636	.958795	.956187	.953802	.951627	.949652	1.77
1.78	.962462	.959623	.957013	.954624	.952443	.950461	1.78
1.79	.963273	.960436	.957826	.955433	.953247	.951258	1.79
1.80	.964070	.961236	.958626	.956230	.954040	.952044	1.80
1.81	.964852	.962023	.959413	.957015	.954820	.952818	1.81
1.82	.965621	.962796	.960188	.957788	.955590	.953582	1.82
1.83	.966375	.963556	.960950	.958550	.956348	.954335	1.83
1.84	.967116	.964303	.961699	.959299	.957095	.955078	1.84
1.85	.967843	.965037	.962437	.960037	.957831	.955810	1.85
1.86	.968557	.965759	.963162	.960763	.958555	.956531	1.86
1.87	.969258	.966468	.963876	.961479	.959270	.957242	1.87
1.88	.969946	.967165	.964578	.962182	.959973	.957943	1.88
1.89	.970621	.967849	.965268	.962875	.960666	.958634	1.89
1.90	.971283	.968522	.965947	.963557	.961348	.959315	1.90
1.91	.971933	.969183	.966615	.964228	.962020	.959986	1.91
1.92	.972571	.969832	.967271	.964889	.962682	.960647	1.92
1.93	.973197	.970469	.967916	.965539	.963334	.961299	1.93
1.94	.973810	.971095	.968551	.966178	.963976	.961941	1.94
1.95	.974412	.971710	.969174	.966808	.964608	.962573	1.95
1.96	.975002	.972313	.969787	.967427	.965231	.963197	1.96
1.97	.975581	.972906	.970390	.968036	.965844	.963811	1.97
1.98	.976148	.973488	.970982	.968635	.966447	.964416	1.98
1.99	.976705	.974059	.971564	.969224	.967041	.965013	1.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
1.50	.921782	.920646	.919684	.918884	.918235	.917724	1.50
1.51	.922918	.921756	.920769	.919945	.919271	.918737	1.51
1.52	.924039	.922853	.921842	.920994	.920296	.919738	1.52
1.53	.925146	.923936	.922902	.922030	.921309	.920729	1.53
1.54	.926240	.925006	.923949	.923054	.922311	.921708	1.54
1.55	.927319	.926064	.924983	.924066	.923301	.922676	1.55
1.56	.928386	.927108	.926006	.925067	.924280	.923633	1.56
1.57	.929439	.928139	.927016	.926056	.925247	.924579	1.57
1.58	.930478	.929158	.928014	.927033	.926203	.925515	1.58
1.59	.931504	.930164	.929000	.927998	.927149	.926440	1.59
1.60	.932518	.931158	.929973	.928952	.928083	.927355	1.60
1.61	.933518	.932139	.930936	.929895	.929006	.928259	1.61
1.62	.934506	.933108	.931886	.930827	.929919	.929153	1.62
1.63	.935481	.934065	.932825	.931748	.930821	.930037	1.63
1.64	.936443	.935010	.933752	.932657	.931713	.930910	1.64
1.65	.937393	.935943	.934668	.933555	.932594	.931774	1.65
1.66	.938330	.936865	.935573	.934443	.933465	.932627	1.66
1.67	.939256	.937775	.936467	.935321	.934325	.933471	1.67
1.68	.940169	.938673	.937349	.936187	.935176	.934306	1.68
1.69	.941071	.939560	.938221	.937043	.936016	.935130	1.69
1.70	.941960	.940435	.939082	.937889	.936847	.935945	1.70
1.71	.942838	.941300	.939932	.938725	.937668	.936751	1.71
1.72	.943704	.942153	.940772	.939551	.938479	.937547	1.72
1.73	.944559	.942995	.941601	.940366	.939280	.938334	1.73
1.74	.945403	.943827	.942420	.941172	.940072	.939112	1.74
1.75	.946235	.944647	.943228	.941967	.940855	.939881	1.75
1.76	.947056	.945457	.944027	.942753	.941628	.940641	1.76
1.77	.947866	.946257	.944815	.943530	.942392	.941392	1.77
1.78	.948665	.947046	.945593	.944296	.943146	.942134	1.78
1.79	.949454	.947825	.946362	.945054	.943892	.942868	1.79
1.80	.950232	.948594	.947121	.945802	.944629	.943593	1.80
1.81	.950999	.949353	.947870	.946541	.945357	.944309	1.81
1.82	.951756	.950101	.948609	.947270	.946076	.945017	1.82
1.83	.952502	.950840	.949339	.947991	.946786	.945717	1.83
1.84	.953239	.951569	.950060	.948702	.947488	.946408	1.84
1.85	.953965	.952289	.950772	.949405	.948181	.947092	1.85
1.86	.954681	.952999	.951474	.950099	.948866	.947767	1.86
1.87	.955388	.953699	.952167	.950785	.949543	.948434	1.87
1.88	.956085	.954390	.952852	.951461	.950211	.949093	1.88
1.89	.956772	.955072	.953527	.952130	.950871	.949745	1.89
1.90	.957449	.955745	.954191	.952790	.951523	.950389	1.90
1.91	.958117	.956409	.954852	.953441	.952168	.951025	1.91
1.92	.958776	.957064	.955502	.954085	.952804	.951653	1.92
1.93	.959426	.957710	.956143	.954720	.953432	.952274	1.93
1.94	.960066	.958347	.956776	.955347	.954053	.952888	1.94
1.95	.960698	.958975	.957400	.955966	.954666	.953494	1.95
1.96	.961320	.959595	.958017	.956578	.955272	.954093	1.96
1.97	.961934	.960207	.958645	.957181	.955870	.954684	1.97
1.98	.962539	.960810	.959225	.957777	.956460	.955269	1.98
1.99	.963135	.961405	.959817	.958365	.957044	.955847	1.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
2.00	.977250	.974620	.972136	.969804	.967626	.965600	2.00
2.01	.977784	.975170	.972698	.970375	.968202	.966179	2.01
2.02	.978308	.975711	.973251	.970936	.968768	.966749	2.02
2.03	.978822	.976241	.973793	.971487	.969326	.967310	2.03
2.04	.979325	.976761	.974326	.972030	.969875	.967863	2.04
2.05	.979818	.977271	.974850	.972563	.970415	.968408	2.05
2.06	.980301	.977772	.975365	.973088	.970947	.968944	2.06
2.07	.980774	.978264	.975870	.973604	.971471	.969473	2.07
2.08	.981237	.978745	.976366	.974111	.971986	.969993	2.08
2.09	.981691	.979218	.976854	.974609	.972492	.970505	2.09
2.10	.982136	.979682	.977332	.975100	.972991	.971010	2.10
2.11	.982571	.980137	.977802	.975581	.973482	.971507	2.11
2.12	.982997	.980583	.978264	.976055	.973964	.971996	2.12
2.13	.983414	.981020	.978717	.976521	.974439	.972478	2.13
2.14	.983823	.981449	.979162	.976978	.974907	.972952	2.14
2.15	.984222	.981869	.979591	.977428	.975366	.973419	2.15
2.16	.984614	.982281	.980028	.977870	.975818	.973879	2.16
2.17	.984997	.982685	.980449	.978304	.976263	.974332	2.17
2.18	.985371	.983081	.980862	.978731	.976701	.974777	2.18
2.19	.985738	.983469	.981267	.979151	.977131	.975216	2.19
2.20	.986097	.983849	.981665	.979563	.977554	.975648	2.20
2.21	.986447	.984222	.982056	.979967	.977970	.976073	2.21
2.22	.986791	.984587	.982439	.980365	.978380	.976491	2.22
2.23	.987126	.984945	.982815	.980756	.978782	.976903	2.23
2.24	.987455	.985296	.983184	.981140	.979178	.977308	2.24
2.25	.987776	.985639	.983546	.981517	.979567	.977707	2.25
2.26	.988089	.985975	.983901	.981887	.979950	.978099	2.26
2.27	.988396	.986305	.984249	.982251	.980326	.978486	2.27
2.28	.988696	.986627	.984590	.982608	.980696	.978866	2.28
2.29	.988989	.986943	.984925	.982959	.981060	.979240	2.29
2.30	.989276	.987253	.985254	.983303	.981417	.979608	2.30
2.31	.989556	.987556	.985576	.983641	.981768	.979970	2.31
2.32	.989830	.987852	.985892	.983973	.982114	.980326	2.32
2.33	.990097	.988143	.986202	.984299	.982453	.980677	2.33
2.34	.990358	.988427	.986506	.984620	.982787	.981022	2.34
2.35	.990613	.988705	.986804	.984934	.983115	.981361	2.35
2.36	.990863	.988977	.987096	.985242	.983438	.981695	2.36
2.37	.991106	.989244	.987382	.985545	.983754	.982023	2.37
2.38	.991344	.989505	.987662	.985843	.984066	.982346	2.38
2.39	.991576	.989760	.987937	.986134	.984372	.982664	2.39
2.40	.991802	.990010	.988207	.986421	.984672	.982976	2.40
2.41	.992024	.990254	.988471	.986702	.984968	.983283	2.41
2.42	.992240	.990493	.988730	.986978	.985258	.983586	2.42
2.43	.992451	.990727	.988984	.987249	.985543	.983883	2.43
2.44	.992656	.990955	.989232	.987514	.985823	.984175	2.44
2.45	.992857	.991179	.989476	.987775	.986098	.984463	2.45
2.46	.993053	.991398	.989714	.988031	.986369	.984746	2.46
2.47	.993244	.991612	.989948	.988281	.986634	.985024	2.47
2.48	.993431	.991821	.990177	.988528	.986895	.985297	2.48
2.49	.993613	.992025	.990401	.988769	.987152	.985566	2.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
2.00	.963723	.961992	.960402	.958946	.957620	.956417	2.00
2.01	.964303	.962571	.960978	.959519	.958189	.956981	2.01
2.02	.964874	.963142	.961547	.960085	.958751	.957538	2.02
2.03	.965437	.963705	.962109	.960644	.959306	.958088	2.03
2.04	.965992	.964260	.962663	.961196	.959854	.958632	2.04
2.05	.966539	.964808	.963209	.961740	.960395	.959169	2.05
2.06	.967079	.965348	.963749	.962277	.960929	.959699	2.06
2.07	.967610	.965880	.964281	.962808	.961457	.960223	2.07
2.08	.968133	.966405	.964806	.963331	.961978	.960740	2.08
2.09	.968649	.966923	.965324	.963848	.962492	.961252	2.09
2.10	.969158	.967433	.965834	.964358	.963000	.961757	2.10
2.11	.969659	.967937	.966338	.964861	.963502	.962256	2.11
2.12	.970153	.968433	.966836	.965358	.963997	.962748	2.12
2.13	.970639	.968922	.967326	.965848	.964486	.963235	2.13
2.14	.971118	.969404	.967810	.966332	.964969	.963716	2.14
2.15	.971590	.969880	.968287	.966810	.965446	.964191	2.15
2.16	.972056	.970349	.968758	.967281	.965916	.964660	2.16
2.17	.972514	.970811	.969222	.967746	.966381	.965123	2.17
2.18	.972965	.971266	.969680	.968205	.966840	.965580	2.18
2.19	.973410	.971715	.970132	.968658	.967293	.966032	2.19
2.20	.973848	.972158	.970577	.969105	.967740	.966479	2.20
2.21	.974280	.972594	.971017	.969546	.968181	.966919	2.21
2.22	.974705	.973024	.971450	.969981	.968617	.967355	2.22
2.23	.975124	.973448	.971877	.970411	.969047	.967785	2.23
2.24	.975536	.973866	.972299	.970834	.969472	.968209	2.24
2.25	.975943	.974278	.972714	.971252	.969891	.968628	2.25
2.26	.976343	.974684	.973124	.971665	.970305	.969043	2.26
2.27	.976737	.975084	.973528	.972072	.970713	.969451	2.27
2.28	.977125	.975478	.973927	.972473	.971116	.969855	2.28
2.29	.977507	.975866	.974320	.972869	.971515	.970254	2.29
2.30	.977883	.976249	.974708	.973260	.971907	.970648	2.30
2.31	.978254	.976626	.975090	.973646	.972295	.971037	2.31
2.32	.978619	.976998	.975466	.974026	.972678	.971421	2.32
2.33	.978978	.977364	.975838	.974402	.973056	.971800	2.33
2.34	.979332	.977725	.976204	.974772	.973429	.972175	2.34
2.35	.979681	.978081	.976565	.975137	.973797	.972544	2.35
2.36	.980024	.978431	.976921	.975497	.974160	.972909	2.36
2.37	.980361	.978776	.977273	.975853	.974519	.973270	2.37
2.38	.980694	.979116	.977619	.976203	.974872	.973626	2.38
2.39	.981021	.979451	.977960	.976549	.975222	.973977	2.39
2.40	.981343	.979782	.978296	.976891	.975566	.974324	2.40
2.41	.981660	.980107	.978628	.977227	.975907	.974667	2.41
2.42	.981973	.980427	.978955	.977559	.976242	.975005	2.42
2.43	.982280	.980743	.979277	.977886	.976574	.975339	2.43
2.44	.982583	.981054	.979594	.978209	.976900	.975669	2.44
2.45	.982880	.981360	.979908	.978528	.977223	.975995	2.45
2.46	.983174	.981662	.980216	.978842	.977541	.976316	2.46
2.47	.983462	.981959	.980520	.979152	.977856	.976634	2.47
2.48	.983746	.982251	.980820	.979457	.978166	.976947	2.48
2.49	.984026	.982540	.981116	.979759	.978472	.977257	2.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
2.50	.993790	.992225	.990621	.989006	.987403	.985830	2.50
2.51	.993963	.992421	.990836	.989238	.987650	.986090	2.51
2.52	.994132	.992612	.991047	.989466	.987893	.986346	2.52
2.53	.994297	.992799	.991253	.989690	.988132	.986597	2.53
2.54	.994457	.992981	.991455	.989909	.988366	.986844	2.54
2.55	.994614	.993159	.991653	.990124	.988596	.987087	2.55
2.56	.994766	.993334	.991847	.990335	.988822	.987326	2.56
2.57	.994915	.993504	.992036	.990542	.989043	.987560	2.57
2.58	.995060	.993671	.992222	.990744	.989261	.987791	2.58
2.59	.995201	.993833	.992404	.990943	.989475	.988018	2.59
2.60	.995339	.993992	.992582	.991138	.989685	.988240	2.60
2.61	.995473	.994147	.992756	.991329	.989891	.988459	2.61
2.62	.995604	.994299	.992926	.991516	.990093	.988675	2.62
2.63	.995731	.994447	.993093	.991700	.990291	.988886	2.63
2.64	.995855	.994591	.993256	.991880	.990486	.989094	2.64
2.65	.995975	.994732	.993416	.992057	.990677	.989299	2.65
2.66	.996093	.994870	.993571	.992230	.990865	.989499	2.66
2.67	.996207	.995005	.993725	.992399	.991050	.989697	2.67
2.68	.996319	.995136	.993875	.992565	.991230	.989891	2.68
2.69	.996427	.995264	.994021	.992728	.991408	.990081	2.69
2.70	.996533	.995389	.994165	.992888	.991582	.990268	2.70
2.71	.996636	.995512	.994305	.993044	.991753	.990452	2.71
2.72	.996736	.995631	.994442	.993197	.991921	.990633	2.72
2.73	.996833	.995747	.994576	.993347	.992086	.990811	2.73
2.74	.996928	.995861	.994707	.993494	.992247	.990985	2.74
2.75	.997020	.995972	.994835	.993638	.992406	.991156	2.75
2.76	.997110	.996080	.994960	.993780	.992561	.991325	2.76
2.77	.997197	.996185	.995083	.993918	.992714	.991490	2.77
2.78	.997282	.996288	.995203	.994053	.992863	.991653	2.78
2.79	.997365	.996388	.995320	.994186	.993010	.991812	2.79
2.80	.997445	.996486	.995435	.994316	.993154	.991969	2.80
2.81	.997523	.996582	.995547	.994443	.993295	.992123	2.81
2.82	.997599	.996675	.995656	.994568	.993434	.992274	2.82
2.83	.997673	.996766	.995763	.994690	.993570	.992422	2.83
2.84	.997744	.996854	.995868	.994810	.993703	.992568	2.84
2.85	.997814	.996941	.995970	.994927	.993834	.992712	2.85
2.86	.997882	.997025	.996070	.995041	.993962	.992852	2.86
2.87	.997948	.997107	.996167	.995154	.994088	.992990	2.87
2.88	.998012	.997187	.996263	.995264	.994212	.993126	2.88
2.89	.998074	.997265	.996356	.995371	.994333	.993259	2.89
2.90	.998134	.997341	.996447	.995477	.994451	.993390	2.90
2.91	.998193	.997415	.996536	.995580	.994568	.993519	2.91
2.92	.998250	.997487	.996623	.995681	.994682	.993645	2.92
2.93	.998305	.997557	.996708	.995780	.994794	.993768	2.93
2.94	.998359	.997626	.996791	.995876	.994903	.993890	2.94
2.95	.998411	.997693	.996872	.995971	.995011	.994009	2.95
2.96	.998462	.997758	.996951	.996064	.995116	.994127	2.96
2.97	.998511	.997821	.997028	.996154	.995219	.994242	2.97
2.98	.998559	.997883	.997104	.996243	.995321	.994355	2.98
2.99	.998605	.997943	.997178	.996330	.995420	.994465	2.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
2.50	.984301	.982824	.981407	.980056	.978774	.977562	2.50
2.51	.984571	.983103	.981694	.980349	.979071	.977864	2.51
2.52	.984838	.983379	.981977	.980638	.979365	.978161	2.52
2.53	.985100	.983650	.982256	.980923	.979655	.978455	2.53
2.54	.985358	.983917	.982531	.981204	.979942	.978745	2.54
2.55	.985611	.984180	.982802	.981482	.980224	.979032	2.55
2.56	.985861	.984440	.983069	.981755	.980503	.979314	2.56
2.57	.986107	.984695	.983332	.982025	.980777	.979593	2.57
2.58	.986349	.984946	.983591	.982290	.981049	.979869	2.58
2.59	.986587	.985193	.983847	.982553	.981316	.980141	2.59
2.60	.986821	.985437	.984098	.982811	.981580	.980409	2.60
2.61	.987051	.985677	.984346	.983066	.981841	.980674	2.61
2.62	.987278	.985913	.984591	.983317	.982098	.980936	2.62
2.63	.987500	.986146	.984832	.983565	.982351	.981194	2.63
2.64	.987720	.986375	.985069	.983810	.982602	.981449	2.64
2.65	.987935	.986600	.985303	.984050	.982848	.981701	2.65
2.66	.988148	.986822	.985533	.984288	.983092	.981949	2.66
2.67	.988356	.987041	.985760	.984522	.983332	.982194	2.67
2.68	.988562	.987256	.985984	.984753	.983569	.982436	2.68
2.69	.988764	.987468	.986204	.984981	.983803	.982675	2.69
2.70	.988962	.987676	.986422	.985205	.984034	.982911	2.70
2.71	.989157	.987882	.986635	.985426	.984261	.983143	2.71
2.72	.989350	.988084	.986846	.985645	.984485	.983373	2.72
2.73	.989539	.988283	.987054	.985860	.984707	.983600	2.73
2.74	.989724	.988479	.987258	.986072	.984925	.983823	2.74
2.75	.989907	.988671	.987460	.986281	.985140	.984044	2.75
2.76	.990087	.988861	.987658	.986487	.985353	.984262	2.76
2.77	.990264	.989048	.987854	.986690	.985562	.984477	2.77
2.78	.990438	.989232	.988046	.986890	.985769	.984689	2.78
2.79	.990608	.989413	.988236	.987087	.985973	.984899	2.79
2.80	.990777	.989591	.988423	.987282	.986174	.985105	2.80
2.81	.990942	.989766	.988607	.987474	.986373	.985309	2.81
2.82	.991104	.989939	.988789	.987663	.986568	.985511	2.82
2.83	.991264	.990109	.988967	.987849	.986761	.985709	2.83
2.84	.991421	.990276	.989143	.988033	.986951	.985906	2.84
2.85	.991576	.990440	.989316	.988214	.987139	.986099	2.85
2.86	.991727	.990602	.989487	.988392	.987324	.986290	2.86
2.87	.991877	.990761	.989655	.988568	.987507	.986478	2.87
2.88	.992024	.990918	.989821	.988741	.987687	.986664	2.88
2.89	.992168	.991072	.989984	.988912	.987865	.986848	2.89
2.90	.992310	.991224	.990144	.989080	.988040	.987029	2.90
2.91	.992449	.991373	.990302	.989246	.988213	.987208	2.91
2.92	.992586	.991520	.990458	.989410	.988383	.987384	2.92
2.93	.992721	.991665	.990612	.989571	.988551	.987558	2.93
2.94	.992853	.991807	.990763	.989730	.988717	.987730	2.94
2.95	.992984	.991947	.990911	.989886	.988880	.987899	2.95
2.96	.993112	.992085	.991058	.990041	.989041	.988066	2.96
2.97	.993237	.992220	.991202	.990193	.989200	.988231	2.97
2.98	.993361	.992353	.991344	.990343	.989357	.988394	2.98
2.99	.993482	.992485	.991484	.990490	.989512	.988555	2.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
3.00	.998650	.998001	.997250	.996415	.995517	.994574	3.00
3.01	.998694	.998058	.997320	.996498	.995613	.994681	3.01
3.02	.998736	.998114	.997389	.996580	.995706	.994786	3.02
3.03	.998777	.998168	.997456	.996659	.995798	.994889	3.03
3.04	.998817	.998220	.997521	.996737	.995888	.994990	3.04
3.05	.998856	.998272	.997585	.996813	.995976	.995089	3.05
3.06	.998893	.998322	.997647	.996888	.996062	.995186	3.06
3.07	.998930	.998370	.997708	.996961	.996147	.995282	3.07
3.08	.998965	.998417	.997767	.997032	.996229	.995376	3.08
3.09	.998999	.998463	.997825	.997102	.996311	.995467	3.09
3.10	.999032	.998508	.997882	.997170	.996390	.995558	3.10
3.11	.999065	.998552	.997937	.997237	.996468	.995646	3.11
3.12	.999096	.998594	.997991	.997302	.996545	.995733	3.12
3.13	.999126	.998635	.998044	.997366	.996619	.995819	3.13
3.14	.999155	.998675	.998095	.997429	.996693	.995902	3.14
3.15	.999184	.998714	.998145	.997490	.996765	.995984	3.15
3.16	.999211	.998752	.998194	.997550	.996835	.996065	3.16
3.17	.999238	.998789	.998241	.997608	.996904	.996144	3.17
3.18	.999264	.998825	.998288	.997665	.996971	.996221	3.18
3.19	.999289	.998860	.998333	.997721	.997038	.996298	3.19
3.20	.999313	.998894	.998377	.997775	.997102	.996372	3.20
3.21	.999336	.998927	.998420	.997829	.997166	.996445	3.21
3.22	.999359	.998959	.998462	.997881	.997228	.996517	3.22
3.23	.999381	.998990	.998503	.997932	.997289	.996588	3.23
3.24	.999402	.999020	.998543	.997982	.997348	.996657	3.24
3.25	.999423	.999050	.998582	.998031	.997407	.996725	3.25
3.26	.999443	.999079	.998620	.998078	.997464	.996791	3.26
3.27	.999462	.999106	.998657	.998125	.997520	.996856	3.27
3.28	.999481	.999134	.998694	.998170	.997575	.996920	3.28
3.29	.999499	.999160	.998729	.998215	.997629	.996983	3.29
3.30	.999517	.999185	.998763	.998258	.997681	.997045	3.30
3.31	.999534	.999210	.998797	.998300	.997733	.997105	3.31
3.32	.999550	.999234	.998829	.998342	.997783	.997164	3.32
3.33	.999566	.999258	.998861	.998382	.997832	.997222	3.33
3.34	.999581	.999281	.998892	.998422	.997881	.997279	3.34
3.35	.999596	.999303	.998922	.998461	.997928	.997335	3.35
3.36	.999610	.999324	.998952	.998499	.997974	.997390	3.36
3.37	.999624	.999345	.998980	.998535	.998020	.997443	3.37
3.38	.999638	.999365	.999008	.998572	.998064	.997496	3.38
3.39	.999651	.999385	.999035	.998607	.998107	.997547	3.39
3.40	.999663	.999404	.999062	.998641	.998150	.997598	3.40
3.41	.999675	.999423	.999088	.998675	.998192	.997648	3.41
3.42	.999687	.999441	.999113	.998708	.998232	.997696	3.42
3.43	.999698	.999458	.999138	.998740	.998272	.997744	3.43
3.44	.999709	.999475	.999161	.998771	.998311	.997791	3.44
3.45	.999720	.999492	.999185	.998802	.998349	.997837	3.45
3.46	.999730	.999508	.999207	.998831	.998387	.997881	3.46
3.47	.999740	.999523	.999229	.998861	.998423	.997926	3.47
3.48	.999749	.999538	.999251	.998889	.998459	.997969	3.48
3.49	.999759	.999553	.999272	.998917	.998494	.998011	3.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
3.00	.993602	.992614	.991622	.990636	.989664	.988713	3.00
3.01	.993719	.992741	.991757	.990779	.989814	.988869	3.01
3.02	.993834	.992865	.991891	.990920	.989962	.989024	3.02
3.03	.993948	.992988	.992022	.991060	.990109	.989176	3.03
3.04	.994059	.993109	.992152	.991197	.990253	.989326	3.04
3.05	.994169	.993228	.992279	.991332	.990395	.989474	3.05
3.06	.994276	.993345	.992405	.991465	.990535	.989621	3.06
3.07	.994382	.993460	.992528	.991596	.990673	.989765	3.07
3.08	.994486	.993573	.992650	.991726	.990809	.989907	3.08
3.09	.994588	.993684	.992770	.991853	.990943	.990048	3.09
3.10	.994688	.993794	.992888	.991979	.991076	.990186	3.10
3.11	.994786	.993902	.993004	.992102	.991206	.990323	3.11
3.12	.994883	.994008	.993118	.992224	.991335	.990458	3.12
3.13	.994978	.994112	.993230	.992344	.991462	.990591	3.13
3.14	.995072	.994214	.993341	.992463	.991587	.990722	3.14
3.15	.995163	.994315	.993450	.992579	.991711	.990851	3.15
3.16	.995254	.994414	.993558	.992694	.991832	.990979	3.16
3.17	.995342	.994511	.993663	.992807	.991952	.991105	3.17
3.18	.995429	.994607	.993767	.992919	.992070	.991229	3.18
3.19	.995515	.994702	.993870	.993029	.992187	.991352	3.19
3.20	.995599	.994794	.993970	.993137	.992302	.991473	3.20
3.21	.995681	.994885	.994070	.993243	.992415	.991592	3.21
3.22	.995762	.994975	.994167	.993348	.992527	.991710	3.22
3.23	.995842	.995063	.994263	.993452	.992637	.991826	3.23
3.24	.995920	.995150	.994358	.993554	.992746	.991941	3.24
3.25	.995997	.995235	.994451	.993654	.992853	.992054	3.25
3.26	.996072	.995319	.994543	.993753	.992958	.992166	3.26
3.27	.996146	.995401	.994633	.993850	.993062	.992276	3.27
3.28	.996219	.995482	.994722	.993946	.993165	.992384	3.28
3.29	.996290	.995562	.994809	.994041	.993266	.992491	3.29
3.30	.996360	.995640	.994895	.994134	.993365	.992597	3.30
3.31	.996429	.995717	.994980	.994226	.993464	.992701	3.31
3.32	.996497	.995793	.995063	.994316	.993560	.992804	3.32
3.33	.996563	.995868	.995145	.994405	.993656	.992905	3.33
3.34	.996629	.995941	.995226	.994492	.993750	.993005	3.34
3.35	.996693	.996013	.995305	.994579	.993843	.993103	3.35
3.36	.996756	.996083	.995383	.994664	.993934	.993201	3.36
3.37	.996817	.996153	.995460	.994748	.994024	.993297	3.37
3.38	.996878	.996221	.995536	.994830	.994113	.993391	3.38
3.39	.996938	.996289	.995610	.994911	.994200	.993485	3.39
3.40	.996996	.996355	.995683	.994991	.994287	.993577	3.40
3.41	.997054	.996420	.995755	.995070	.994372	.993667	3.41
3.42	.997110	.996483	.995826	.995148	.994456	.993757	3.42
3.43	.997165	.996546	.995896	.995224	.994538	.993845	3.43
3.44	.997220	.996608	.995965	.995299	.994620	.993932	3.44
3.45	.997273	.996669	.996032	.995374	.994700	.994018	3.45
3.46	.997325	.996728	.996099	.995447	.994779	.994103	3.46
3.47	.997377	.996787	.996164	.995519	.994857	.994187	3.47
3.48	.997427	.996844	.996229	.995589	.994934	.994269	3.48
3.49	.997477	.996901	.996292	.995659	.995009	.994350	3.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
3.50	.999767	.999567	.999292	.998944	.998528	.998053	3.50
3.51	.999776	.999581	.999312	.998971	.998562	.998093	3.51
3.52	.999784	.999594	.999331	.998996	.998595	.998133	3.52
3.53	.999792	.999607	.999350	.999022	.998627	.998172	3.53
3.54	.999800	.999620	.999368	.999046	.998658	.998210	3.54
3.55	.999807	.999632	.999386	.999070	.998689	.998248	3.55
3.56	.999815	.999644	.999404	.999094	.998719	.998285	3.56
3.57	.999822	.999655	.999420	.999117	.998748	.998321	3.57
3.58	.999828	.999666	.999437	.999139	.998777	.998356	3.58
3.59	.999835	.999677	.999453	.999161	.998805	.998391	3.59
3.60	.999841	.999688	.999468	.999183	.998833	.998425	3.60
3.61	.999847	.999698	.999484	.999203	.998860	.998458	3.61
3.62	.999853	.999708	.999498	.999224	.998886	.998490	3.62
3.63	.999858	.999717	.999513	.999243	.998912	.998522	3.63
3.64	.999864	.999726	.999527	.999263	.998937	.998554	3.64
3.65	.999869	.999735	.999540	.999282	.998962	.998584	3.65
3.66	.999874	.999744	.999553	.999300	.998986	.998614	3.66
3.67	.999879	.999752	.999566	.999318	.999009	.998644	3.67
3.68	.999883	.999760	.999579	.999336	.999032	.998673	3.68
3.69	.999888	.999768	.999591	.999353	.999055	.998701	3.69
3.70	.999892	.999776	.999603	.999369	.999077	.998728	3.70
3.71	.999896	.999783	.999614	.999386	.999098	.998756	3.71
3.72	.999900	.999791	.999626	.999402	.999119	.998782	3.72
3.73	.999904	.999798	.999636	.999417	.999140	.998808	3.73
3.74	.999908	.999804	.999647	.999432	.999160	.998834	3.74
3.75	.999912	.999811	.999657	.999447	.999180	.998859	3.75
3.76	.999915	.999817	.999667	.999461	.999199	.998883	3.76
3.77	.999918	.999823	.999677	.999475	.999218	.998907	3.77
3.78	.999922	.999829	.999686	.999489	.999236	.998930	3.78
3.79	.999925	.999835	.999696	.999502	.999254	.998953	3.79
3.80	.999928	.999840	.999705	.999515	.999272	.998976	3.80
3.81	.999931	.999846	.999713	.999528	.999289	.998998	3.81
3.82	.999933	.999851	.999722	.999540	.999306	.999020	3.82
3.83	.999936	.999856	.999730	.999553	.999322	.999041	3.83
3.84	.999938	.999861	.999738	.999564	.999338	.999061	3.84
3.85	.999941	.999866	.999746	.999576	.999354	.999082	3.85
3.86	.999943	.999870	.999753	.999587	.999369	.999102	3.86
3.87	.999946	.999875	.999761	.999598	.999384	.999121	3.87
3.88	.999948	.999879	.999768	.999608	.999399	.999140	3.88
3.89	.999950	.999883	.999775	.999619	.999413	.999159	3.89
3.90	.999952	.999887	.999781	.999629	.999427	.999177	3.90
3.91	.999954	.999891	.999788	.999639	.999441	.999195	3.91
3.92	.999956	.999895	.999794	.999648	.999454	.999212	3.92
3.93	.999958	.999898	.999800	.999658	.999467	.999230	3.93
3.94	.999959	.999902	.999806	.999667	.999480	.999246	3.94
3.95	.999961	.999905	.999812	.999676	.999493	.999263	3.95
3.96	.999963	.999909	.999818	.999684	.999505	.999279	3.96
3.97	.999964	.999912	.999823	.999693	.999517	.999295	3.97
3.98	.999966	.999915	.999829	.999701	.999528	.999310	3.98
3.99	.999967	.999918	.999834	.999709	.999540	.999325	3.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
3.50	.997526	.996957	.996354	.995728	.995084	.994431	3.50
3.51	.997573	.997011	.996416	.995795	.995128	.994510	3.51
3.52	.997620	.997065	.996476	.995862	.995230	.994588	3.52
3.53	.997666	.997118	.996536	.995928	.995302	.994665	3.53
3.54	.997711	.997170	.996594	.995992	.995372	.994740	3.54
3.55	.997756	.997221	.996651	.996056	.995441	.994815	3.55
3.56	.997799	.997271	.996708	.996118	.995510	.994889	3.56
3.57	.997842	.997320	.996764	.996180	.995577	.994962	3.57
3.58	.997884	.997369	.996818	.996241	.995644	.995034	3.58
3.59	.997925	.997416	.996872	.996301	.995709	.995104	3.59
3.60	.997965	.997463	.996925	.996359	.995774	.995174	3.60
3.61	.998005	.997509	.996977	.996417	.995837	.995243	3.61
3.62	.998044	.997554	.997028	.996475	.995900	.995311	3.62
3.63	.998082	.997598	.997079	.996531	.995962	.995378	3.63
3.64	.998120	.997642	.997128	.996586	.996022	.995444	3.64
3.65	.998156	.997685	.997177	.996641	.996082	.995509	3.65
3.66	.998192	.997727	.997225	.996694	.996141	.995573	3.66
3.67	.998228	.997768	.997272	.996747	.996200	.995636	3.67
3.68	.998263	.997809	.997319	.996799	.996257	.995699	3.68
3.69	.998297	.997849	.997364	.996850	.996314	.995760	3.69
3.70	.998330	.997888	.997409	.996901	.996369	.995821	3.70
3.71	.998363	.997927	.997453	.996950	.996424	.995881	3.71
3.72	.998395	.997964	.997497	.996999	.996478	.995940	3.72
3.73	.998427	.998002	.997540	.997047	.996532	.995998	3.73
3.74	.998458	.998038	.997582	.997095	.996584	.996056	3.74
3.75	.998488	.998074	.997623	.997141	.996636	.996112	3.75
3.76	.998518	.998109	.997664	.997187	.996687	.996168	3.76
3.77	.998547	.998144	.997704	.997233	.996737	.996223	3.77
3.78	.998576	.998178	.997743	.997277	.996786	.996277	3.78
3.79	.998604	.998211	.997782	.997321	.996835	.996331	3.79
3.80	.998632	.998244	.997820	.997364	.996883	.996383	3.80
3.81	.998659	.998277	.997857	.997406	.996931	.996435	3.81
3.82	.998685	.998308	.997894	.997448	.996977	.996487	3.82
3.83	.998712	.998339	.997930	.997489	.997023	.996537	3.83
3.84	.998737	.998370	.997966	.997530	.997068	.996587	3.84
3.85	.998762	.998400	.998001	.997570	.997113	.996636	3.85
3.86	.998787	.998430	.998035	.997609	.997157	.996685	3.86
3.87	.998811	.998459	.998069	.997648	.997200	.996733	3.87
3.88	.998835	.998487	.998102	.997686	.997243	.996780	3.88
3.89	.998858	.998515	.998135	.997723	.997285	.996826	3.89
3.90	.998881	.998543	.998167	.997760	.997326	.996872	3.90
3.91	.998903	.998570	.998199	.997796	.997367	.996917	3.91
3.92	.998925	.998596	.998230	.997832	.997407	.996962	3.92
3.93	.998947	.998622	.998261	.997867	.997447	.997006	3.93
3.94	.998968	.998648	.998291	.997902	.997486	.997049	3.94
3.95	.998988	.998673	.998320	.997936	.997524	.997092	3.95
3.96	.999009	.998697	.998349	.997969	.997562	.997134	3.96
3.97	.999029	.998722	.998378	.998002	.997600	.997175	3.97
3.98	.999048	.998745	.998406	.998035	.997636	.997216	3.98
3.99	.999067	.998769	.998434	.998067	.997673	.997256	3.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
4.00	.999968	.999921	.999839	.999717	.999551	.999340	4.00
4.01	.999970	.999923	.999844	.999724	.999562	.999355	4.01
4.02	.999971	.999926	.999849	.999732	.999572	.999369	4.02
4.03	.999972	.999929	.999853	.999739	.999583	.999383	4.03
4.04	.999973	.999931	.999858	.999746	.999593	.999396	4.04
4.05	.999974	.999934	.999862	.999753	.999603	.999409	4.05
4.06	.999975	.999936	.999866	.999760	.999612	.999423	4.06
4.07	.999977	.999938	.999870	.999766	.999622	.999435	4.07
4.08	.999977	.999940	.999874	.999772	.999631	.999448	4.08
4.09	.999978	.999943	.999878	.999779	.999640	.999460	4.09
4.10	.999979	.999945	.999882	.999785	.999649	.999472	4.10
4.11	.999980	.999947	.999886	.999790	.999657	.999484	4.11
4.12	.999981	.999948	.999889	.999796	.999665	.999495	4.12
4.13	.999982	.999950	.999892	.999802	.999674	.999506	4.13
4.14	.999983	.999952	.999896	.999807	.999682	.999517	4.14
4.15	.999983	.999954	.999899	.999812	.999689	.999528	4.15
4.16	.999984	.999955	.999902	.999818	.999697	.999538	4.16
4.17	.999985	.999957	.999905	.999823	.999704	.999549	4.17
4.18	.999985	.999959	.999908	.999827	.999712	.999559	4.18
4.19	.999986	.999960	.999911	.999832	.999719	.999569	4.19
4.20	.999987	.999962	.999914	.999837	.999726	.999578	4.20
4.21	.999987	.999963	.999916	.999841	.999732	.999588	4.21
4.22	.999988	.999964	.999919	.999846	.999739	.999597	4.22
4.23	.999988	.999966	.999922	.999850	.999746	.999606	4.23
4.24	.999989	.999967	.999924	.999854	.999752	.999615	4.24
4.25	.999989	.999968	.999926	.999858	.999758	.999623	4.25
4.26	.999990	.999969	.999929	.999862	.999764	.999632	4.26
4.27	.999990	.999970	.999931	.999866	.999770	.999640	4.27
4.28	.999991	.999971	.999933	.999870	.999776	.999648	4.28
4.29	.999991	.999972	.999935	.999873	.999781	.999656	4.29
4.30	.999991	.999973	.999937	.999877	.999787	.999664	4.30
4.31	.999992	.999974	.999939	.999880	.999792	.999671	4.31
4.32	.999992	.999975	.999941	.999883	.999797	.999679	4.32
4.33	.999993	.999976	.999943	.999887	.999802	.999686	4.33
4.34	.999993	.999977	.999945	.999890	.999807	.999693	4.34
4.35	.999993	.999978	.999947	.999893	.999812	.999700	4.35
4.36	.999993	.999979	.999948	.999896	.999817	.999707	4.36
4.37	.999994	.999980	.999950	.999899	.999821	.999713	4.37
4.38	.999994	.999980	.999952	.999902	.999826	.999720	4.38
4.39	.999994	.999981	.999953	.999904	.999830	.999726	4.39
4.40	.999995	.999982	.999955	.999907	.999834	.999733	4.40
4.41	.999995	.999983	.999956	.999910	.999838	.999739	4.41
4.42	.999995	.999983	.999958	.999912	.999842	.999745	4.42
4.43	.999995	.999984	.999959	.999915	.999846	.999750	4.43
4.44	.999996	.999984	.999960	.999917	.999850	.999756	4.44
4.45	.999996	.999985	.999962	.999920	.999854	.999762	4.45
4.46	.999996	.999986	.999963	.999922	.999858	.999767	4.46
4.47	.999996	.999986	.999964	.999924	.999861	.999772	4.47
4.48	.999996	.999987	.999965	.999926	.999865	.999778	4.48
4.49	.999996	.999987	.999966	.999928	.999868	.999783	4.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
4.00	.999086	.998792	.998461	.998098	.997708	.997296	4.00
4.01	.999105	.998814	.998488	.998129	.997743	.997335	4.01
4.02	.999123	.998836	.998514	.998160	.997778	.997374	4.02
4.03	.999140	.998858	.998540	.998190	.997812	.997412	4.03
4.04	.999158	.998879	.998565	.998219	.997846	.997450	4.04
4.05	.999175	.998900	.998590	.998248	.997879	.997487	4.05
4.06	.999191	.998921	.998615	.998277	.997911	.997523	4.06
4.07	.999208	.998941	.998639	.998305	.997943	.997559	4.07
4.08	.999224	.998961	.998663	.998333	.997975	.997594	4.08
4.09	.999239	.998980	.998686	.998360	.998006	.997629	4.09
4.10	.999255	.999000	.998709	.998387	.998037	.997664	4.10
4.11	.999270	.999018	.998731	.998413	.998067	.997698	4.11
4.12	.999285	.999037	.998754	.998439	.998097	.997731	4.12
4.13	.999299	.999055	.998775	.998465	.998126	.997764	4.13
4.14	.999314	.999073	.998797	.998490	.998155	.997797	4.14
4.15	.999328	.999090	.998818	.998514	.998183	.997829	4.15
4.16	.999341	.999107	.998839	.998539	.998211	.997861	4.16
4.17	.999355	.999124	.998859	.998563	.998239	.997892	4.17
4.18	.999368	.999141	.998879	.998586	.998266	.997923	4.18
4.19	.999381	.999157	.998899	.998610	.998293	.997953	4.19
4.20	.999394	.999173	.998918	.998632	.998319	.997983	4.20
4.21	.999406	.999188	.998937	.998655	.998345	.998012	4.21
4.22	.999418	.999204	.998956	.998677	.998371	.998041	4.22
4.23	.999430	.999219	.998974	.998699	.998396	.998070	4.23
4.24	.999442	.999234	.998992	.998720	.998421	.998098	4.24
4.25	.999453	.999248	.999010	.998741	.998445	.998126	4.25
4.26	.999464	.999262	.999027	.998762	.998470	.998153	4.26
4.27	.999475	.999276	.999045	.998782	.998493	.998180	4.27
4.28	.999486	.999290	.999061	.998803	.998517	.998207	4.28
4.29	.999497	.999304	.999078	.998822	.998540	.998233	4.29
4.30	.999507	.999317	.999094	.998842	.998562	.998259	4.30
4.31	.999517	.999330	.999110	.998861	.998585	.998285	4.31
4.32	.999527	.999343	.999126	.998880	.998607	.998310	4.32
4.33	.999537	.999355	.999141	.998898	.998628	.998335	4.33
4.34	.999547	.999367	.999157	.998916	.998650	.998359	4.34
4.35	.999556	.999379	.999172	.998934	.998670	.998383	4.35
4.36	.999565	.999391	.999186	.998952	.998691	.998407	4.36
4.37	.999574	.999403	.999201	.998969	.998712	.998430	4.37
4.38	.999583	.999414	.999215	.998986	.998732	.998453	4.38
4.39	.999592	.999425	.999229	.999003	.998751	.998476	4.39
4.40	.999600	.999436	.999242	.999020	.998771	.998498	4.40
4.41	.999608	.999447	.999256	.999036	.998790	.998520	4.41
4.42	.999616	.999458	.999269	.999052	.998809	.998542	4.42
4.43	.999624	.999468	.999282	.999068	.998827	.998564	4.43
4.44	.999632	.999478	.999295	.999083	.998846	.998585	4.44
4.45	.999640	.999488	.999307	.999098	.998864	.998606	4.45
4.46	.999647	.999498	.999320	.999113	.998881	.998626	4.46
4.47	.999655	.999508	.999332	.999128	.998899	.998646	4.47
4.48	.999662	.999517	.999344	.999143	.998916	.998666	4.48
4.49	.999669	.999527	.999355	.999157	.998933	.998686	4.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
4.50	.999997	.999988	.999967	.999930	.999872	.999788	4.50
4.51	.999997	.999988	.999968	.999932	.999875	.999792	4.51
4.52	.999997	.999989	.999969	.999934	.999878	.999797	4.52
4.53	.999997	.999989	.999970	.999936	.999881	.999802	4.53
4.54	.999997	.999989	.999971	.999938	.999884	.999806	4.54
4.55	.999997	.999990	.999972	.999940	.999887	.999811	4.55
4.56	.999997	.999990	.999973	.999941	.999890	.999815	4.56
4.57	.999998	.999991	.999974	.999943	.999893	.999819	4.57
4.58	.999998	.999991	.999975	.999945	.999896	.999824	4.58
4.59	.999998	.999991	.999976	.999946	.999898	.999828	4.59
4.60	.999998	.999992	.999977	.999948	.999901	.999832	4.60
4.61	.999998	.999992	.999977	.999949	.999903	.999836	4.61
4.62	.999998	.999992	.999978	.999951	.999906	.999839	4.62
4.63	.999998	.999993	.999979	.999952	.999908	.999843	4.63
4.64	.999998	.999993	.999980	.999954	.999911	.999847	4.64
4.65	.999998	.999993	.999980	.999955	.999913	.999850	4.65
4.66	.999998	.999993	.999981	.999956	.999915	.999854	4.66
4.67	.999998	.999994	.999982	.999958	.999917	.999857	4.67
4.68	.999999	.999994	.999982	.999959	.999919	.999860	4.68
4.69	.999999	.999994	.999983	.999960	.999922	.999864	4.69
4.70	.999999	.999994	.999983	.999961	.999924	.999867	4.70
4.71	.999999	.999995	.999984	.999962	.999926	.999870	4.71
4.72	.999999	.999995	.999984	.999963	.999927	.999873	4.72
4.73	.999999	.999995	.999985	.999964	.999929	.999876	4.73
4.74	.999999	.999995	.999985	.999965	.999931	.999879	4.74
4.75	.999999	.999995	.999986	.999966	.999933	.999882	4.75
4.76	.999999	.999996	.999986	.999967	.999935	.999884	4.76
4.77	.999999	.999996	.999987	.999968	.999936	.999887	4.77
4.78	.999999	.999996	.999987	.999969	.999938	.999890	4.78
4.79	.999999	.999996	.999988	.999970	.999940	.999892	4.79
4.80	.999999	.999996	.999988	.999971	.999941	.999895	4.80
4.81	.999999	.999996	.999989	.999972	.999943	.999897	4.81
4.82	.999999	.999997	.999989	.999973	.999944	.999900	4.82
4.83	.999999	.999997	.999989	.999974	.999946	.999902	4.83
4.84	.999999	.999997	.999990	.999974	.999947	.999904	4.84
4.85	.999999	.999997	.999990	.999975	.999948	.999907	4.85
4.86	.999999	.999997	.999990	.999976	.999950	.999909	4.86
4.87	.999999	.999997	.999991	.999977	.999951	.999911	4.87
4.88	.999999	.999997	.999991	.999977	.999952	.999913	4.88
4.89	.999999	.999997	.999991	.999978	.999954	.999915	4.89
4.90	.999998	.999992	.999979	.999979	.999955	.999917	4.90
4.91	.999998	.999992	.999979	.999979	.999956	.999919	4.91
4.92	.999998	.999992	.999979	.999980	.999957	.999921	4.92
4.93	.999998	.999992	.999979	.999980	.999958	.999923	4.93
4.94	.999998	.999993	.999981	.999981	.999959	.999925	4.94
4.95	.999998	.999993	.999982	.999982	.999961	.999926	4.95
4.96	.999998	.999993	.999982	.999982	.999962	.999928	4.96
4.97	.999998	.999993	.999983	.999983	.999963	.999930	4.97
4.98	.999998	.999994	.999983	.999983	.999964	.999932	4.98
4.99	.999998	.999994	.999984	.999984	.999965	.999933	4.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
4.50	.999676	.999536	.999367	.999171	.998950	.998705	4.50
4.51	.999683	.999545	.999378	.999185	.998966	.998724	4.51
4.52	.999689	.999553	.999389	.999198	.998982	.998743	4.52
4.53	.999696	.999562	.999400	.999212	.998998	.998762	4.53
4.54	.999702	.999570	.999411	.999225	.999014	.998780	4.54
4.55	.999708	.999579	.999422	.999238	.999029	.998798	4.55
4.56	.999715	.999587	.999432	.999251	.999045	.998816	4.56
4.57	.999721	.999595	.999442	.999263	.999060	.998833	4.57
4.58	.999726	.999603	.999452	.999275	.999074	.998850	4.58
4.59	.999732	.999610	.999462	.999288	.999089	.998867	4.59
4.60	.999738	.999618	.999472	.999300	.999103	.998884	4.60
4.61	.999743	.999625	.999481	.999311	.999117	.998901	4.61
4.62	.999749	.999632	.999490	.999323	.999131	.998917	4.62
4.63	.999754	.999640	.999499	.999334	.999145	.998933	4.63
4.64	.999759	.999647	.999508	.999345	.999158	.998949	4.64
4.65	.999764	.999653	.999517	.999356	.999171	.998964	4.65
4.66	.999769	.999660	.999526	.999367	.999184	.998980	4.66
4.67	.999774	.999667	.999535	.999378	.999197	.998995	4.67
4.68	.999779	.999673	.999543	.999388	.999210	.999010	4.68
4.69	.999784	.999680	.999551	.999398	.999222	.999024	4.69
4.70	.999788	.999686	.999559	.999408	.999235	.999039	4.70
4.71	.999793	.999692	.999567	.999418	.999247	.999053	4.71
4.72	.999797	.999698	.999575	.999428	.999258	.999067	4.72
4.73	.999801	.999704	.999583	.999438	.999270	.999081	4.73
4.74	.999806	.999710	.999590	.999447	.999282	.999095	4.74
4.75	.999810	.999715	.999598	.999457	.999293	.999108	4.75
4.76	.999814	.999721	.999605	.999466	.999304	.999121	4.76
4.77	.999818	.999726	.999612	.999475	.999315	.999134	4.77
4.78	.999822	.999732	.999619	.999484	.999326	.999147	4.78
4.79	.999825	.999737	.999626	.999492	.999337	.999160	4.79
4.80	.999829	.999742	.999633	.999501	.999347	.999173	4.80
4.81	.999833	.999747	.999639	.999509	.999357	.999185	4.81
4.82	.999836	.999752	.999646	.999518	.999368	.999197	4.82
4.83	.999840	.999757	.999652	.999526	.999378	.999209	4.83
4.84	.999843	.999762	.999659	.999534	.999387	.999221	4.84
4.85	.999847	.999766	.999665	.999542	.999397	.999232	4.85
4.86	.999850	.999771	.999671	.999549	.999407	.999244	4.86
4.87	.999853	.999775	.999677	.999557	.999416	.999255	4.87
4.88	.999856	.999780	.999683	.999564	.999425	.999266	4.88
4.89	.999859	.999784	.999688	.999572	.999434	.999277	4.89
4.90	.999862	.999788	.999694	.999579	.999443	.999288	4.90
4.91	.999865	.999793	.999700	.999586	.999452	.999298	4.91
4.92	.999868	.999797	.999705	.999593	.999461	.999309	4.92
4.93	.999871	.999801	.999711	.999600	.999469	.999319	4.93
4.94	.999874	.999805	.999716	.999607	.999478	.999329	4.94
4.95	.999876	.999808	.999721	.999614	.999486	.999339	4.95
4.96	.999879	.999812	.999726	.999620	.999494	.999349	4.96
4.97	.999882	.999816	.999731	.999627	.999502	.999359	4.97
4.98	.999884	.999820	.999736	.999633	.999510	.999369	4.98
4.99	.999887	.999823	.999741	.999639	.999518	.999378	4.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00		.999998	.999994	.999984	.999965	.999935	5.00
5.01		.999998	.999994	.999985	.999966	.999936	5.01
5.02		.999998	.999994	.999985	.999967	.999938	5.02
5.03		.999999	.999995	.999986	.999968	.999939	5.03
5.04		.999999	.999995	.999986	.999969	.999941	5.04
5.05		.999999	.999995	.999986	.999970	.999942	5.05
5.06		.999999	.999995	.999987	.999971	.999943	5.06
5.07		.999999	.999995	.999987	.999971	.999945	5.07
5.08		.999999	.999996	.999988	.999972	.999946	5.08
5.09		.999999	.999996	.999988	.999973	.999947	5.09
5.10		.999999	.999996	.999988	.999974	.999949	5.10
5.11		.999999	.999996	.999989	.999974	.999950	5.11
5.12		.999999	.999996	.999989	.999975	.999951	5.12
5.13		.999999	.999996	.999989	.999976	.999952	5.13
5.14		.999999	.999996	.999990	.999976	.999953	5.14
5.15		.999999	.999997	.999990	.999977	.999955	5.15
5.16		.999999	.999997	.999990	.999978	.999956	5.16
5.17		.999999	.999997	.999991	.999978	.999957	5.17
5.18		.999999	.999997	.999991	.999979	.999958	5.18
5.19		.999999	.999997	.999991	.999979	.999959	5.19
5.20		.999999	.999997	.999991	.999980	.999960	5.20
5.21		.999999	.999997	.999992	.999980	.999961	5.21
5.22		.999999	.999997	.999992	.999980	.999962	5.22
5.23		.999999	.999997	.999992	.999981	.999963	5.23
5.24		.999999	.999997	.999992	.999982	.999963	5.24
5.25		.999999	.999998	.999993	.999982	.999964	5.25
5.26		.999999	.999998	.999993	.999983	.999965	5.26
5.27		.999999	.999998	.999993	.999983	.999966	5.27
5.28			.999998	.999993	.999984	.999967	5.28
5.29			.999998	.999994	.999984	.999968	5.29
5.30			.999998	.999994	.999985	.999968	5.30
5.31			.999998	.999994	.999985	.999969	5.31
5.32			.999998	.999994	.999986	.999970	5.32
5.33			.999998	.999994	.999986	.999971	5.33
5.34			.999998	.999994	.999986	.999971	5.34
5.35			.999998	.999995	.999987	.999972	5.35
5.36			.999998	.999995	.999987	.999973	5.36
5.37			.999998	.999995	.999987	.999973	5.37
5.38			.999998	.999995	.999988	.999974	5.38
5.39			.999999	.999995	.999988	.999975	5.39
5.40			.999999	.999995	.999988	.999975	5.40
5.41			.999999	.999996	.999989	.999976	5.41
5.42			.999999	.999996	.999989	.999977	5.42
5.43			.999999	.999996	.999989	.999977	5.43
5.44			.999999	.999996	.999990	.999978	5.44
5.45			.999999	.999996	.999990	.999978	5.45
5.46			.999999	.999996	.999990	.999979	5.46
5.47			.999999	.999996	.999990	.999979	5.47
5.48			.999999	.999996	.999991	.999980	5.48
5.49			.999999	.999997	.999991	.999980	5.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	.999889	.999827	.999746	.999645	.999526	.999387	5.00
5.01	.999892	.999830	.999750	.999651	.999533	.999397	5.01
5.02	.999894	.999833	.999755	.999657	.999541	.999406	5.02
5.03	.999896	.999837	.999759	.999663	.999548	.999414	5.03
5.04	.999898	.999840	.999764	.999669	.999555	.999423	5.04
5.05	.999901	.999843	.999768	.999674	.999562	.999432	5.05
5.06	.999903	.999846	.999772	.999680	.999569	.999440	5.06
5.07	.999905	.999849	.999776	.999685	.999576	.999449	5.07
5.08	.999907	.999852	.999781	.999691	.999583	.999457	5.08
5.09	.999909	.999855	.999785	.999696	.999590	.999465	5.09
5.10	.999911	.999858	.999788	.999701	.999596	.999473	5.10
5.11	.999913	.999861	.999792	.999706	.999603	.999481	5.11
5.12	.999915	.999864	.999796	.999711	.999609	.999489	5.12
5.13	.999917	.999866	.999800	.999716	.999615	.999497	5.13
5.14	.999918	.999869	.999804	.999721	.999621	.999504	5.14
5.15	.999920	.999872	.999807	.999726	.999627	.999512	5.15
5.16	.999922	.999874	.999811	.999731	.999633	.999519	5.16
5.17	.999924	.999877	.999814	.999735	.999639	.999526	5.17
5.18	.999925	.999879	.999818	.999740	.999645	.999533	5.18
5.19	.999927	.999882	.999821	.999744	.999651	.999540	5.19
5.20	.999928	.999884	.999824	.999749	.999656	.999547	5.20
5.21	.999930	.999886	.999828	.999753	.999662	.999554	5.21
5.22	.999932	.999888	.999831	.999757	.999667	.999561	5.22
5.23	.999933	.999891	.999834	.999761	.999672	.999567	5.23
5.24	.999935	.999893	.999837	.999765	.999678	.999574	5.24
5.25	.999936	.999895	.999840	.999769	.999683	.999580	5.25
5.26	.999937	.999897	.999843	.999773	.999688	.999587	5.26
5.27	.999939	.999899	.999846	.999777	.999693	.999593	5.27
5.28	.999940	.999901	.999849	.999781	.999698	.999599	5.28
5.29	.999941	.999903	.999851	.999785	.999703	.999605	5.29
5.30	.999943	.999905	.999854	.999789	.999708	.999611	5.30
5.31	.999944	.999907	.999857	.999792	.999712	.999617	5.31
5.32	.999945	.999909	.999860	.999796	.999717	.999623	5.32
5.33	.999946	.999911	.999862	.999799	.999721	.999628	5.33
5.34	.999948	.999913	.999865	.999803	.999926	.999634	5.34
5.35	.999949	.999914	.999867	.999806	.999730	.999639	5.35
5.36	.999950	.999916	.999870	.999809	.999735	.999645	5.36
5.37	.999951	.999918	.999872	.999813	.999739	.999650	5.37
5.38	.999952	.999919	.999874	.999816	.999743	.999656	5.38
5.39	.999953	.999921	.999877	.999819	.999747	.999661	5.39
5.40	.999954	.999923	.999879	.999822	.999751	.999666	5.40
5.41	.999955	.999924	.999881	.999825	.999755	.999671	5.41
5.42	.999956	.999926	.999884	.999828	.999759	.999676	5.42
5.43	.999957	.999927	.999886	.999831	.999763	.999681	5.43
5.44	.999958	.999929	.999888	.999834	.999767	.999686	5.44
5.45	.999959	.999930	.999890	.999837	.999771	.999690	5.45
5.46	.999960	.999931	.999892	.999840	.999774	.999695	5.46
5.47	.999961	.999933	.999894	.999843	.999778	.999700	5.47
5.48	.999962	.999934	.999896	.999845	.999782	.999704	5.48
5.49	.999962	.999936	.999898	.999848	.999785	.999709	5.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.50			.999999	.999997	.999991	.999981	5.50
5.51			.999999	.999997	.999991	.999981	5.51
5.52			.999999	.999997	.999992	.999982	5.52
5.53			.999999	.999997	.999992	.999982	5.53
5.54			.999999	.999997	.999992	.999983	5.54
5.55			.999999	.999997	.999992	.999983	5.55
5.56			.999999	.999997	.999993	.999983	5.56
5.57			.999999	.999997	.999993	.999984	5.57
5.58			.999999	.999997	.999993	.999984	5.58
5.59			.999999	.999997	.999993	.999985	5.59
5.60			.999999	.999998	.999993	.999985	5.60
5.61			.999999	.999998	.999994	.999985	5.61
5.62			.999999	.999998	.999994	.999986	5.62
5.63			.999999	.999998	.999994	.999986	5.63
5.64			.999999	.999998	.999994	.999986	5.64
5.65			.999999	.999998	.999994	.999987	5.65
5.66			.999999	.999998	.999994	.999987	5.66
5.67			.999999	.999998	.999995	.999987	5.67
5.68			.999998	.999998	.999995	.999988	5.68
5.69			.999998	.999998	.999995	.999988	5.69
5.70			.999998	.999995	.999988		5.70
5.71			.999998	.999995	.999989		5.71
5.72			.999998	.999995	.999989		5.72
5.73			.999998	.999995	.999989		5.73
5.74			.999998	.999996	.999989		5.74
5.75			.999999	.999996	.999990		5.75
5.76			.999999	.999996	.999990		5.76
5.77			.999999	.999996	.999990		5.77
5.78			.999999	.999996	.999990		5.78
5.79			.999999	.999996	.999991		5.79
5.80			.999999	.999996	.999991		5.80
5.81			.999999	.999996	.999991		5.81
5.82			.999999	.999996	.999991		5.82
5.83			.999999	.999997	.999992		5.83
5.84			.999999	.999997	.999992		5.84
5.85			.999999	.999997	.999992		5.85
5.86			.999999	.999997	.999992		5.86
5.87			.999999	.999997	.999992		5.87
5.88			.999999	.999997	.999993		5.88
5.89			.999999	.999997	.999993		5.89
5.90			.999999	.999997	.999993		5.90
5.91			.999999	.999997	.999993		5.91
5.92			.999999	.999997	.999993		5.92
5.93			.999999	.999997	.999993		5.93
5.94			.999999	.999997	.999994		5.94
5.95			.999999	.999998	.999994		5.95
5.96			.999999	.999998	.999994		5.96
5.97			.999999	.999998	.999994		5.97
5.98			.999999	.999998	.999994		5.98
5.99			.999999	.999998	.999994		5.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.50	.999963	.999937	.999900	.999851	.999789	.999713	5.50
5.51	.999964	.999938	.999902	.999853	.999792	.999717	5.51
5.52	.999965	.999939	.999903	.999856	.999795	.999722	5.52
5.53	.999966	.999941	.999905	.999858	.999799	.999726	5.53
5.54	.999966	.999942	.999907	.999861	.999802	.999730	5.54
5.55	.999967	.999943	.999909	.999863	.999805	.999734	5.55
5.56	.999968	.999944	.999910	.999866	.999808	.999738	5.56
5.57	.999969	.999945	.999912	.999868	.999811	.999742	5.57
5.58	.999969	.999946	.999914	.999870	.999814	.999746	5.58
5.59	.999970	.999947	.999915	.999872	.999817	.999750	5.59
5.60	.999971	.999949	.999917	.999875	.999820	.999754	5.60
5.61	.999971	.999950	.999919	.999877	.999823	.999758	5.61
5.62	.999972	.999951	.999920	.999879	.999826	.999761	5.62
5.63	.999973	.999952	.999922	.999881	.999829	.999765	5.63
5.64	.999973	.999953	.999923	.999883	.999832	.999768	5.64
5.65	.999974	.999954	.999924	.999885	.999835	.999772	5.65
5.66	.999974	.999955	.999926	.999887	.999837	.999775	5.66
5.67	.999975	.999955	.999927	.999889	.999840	.999779	5.67
5.68	.999976	.999956	.999929	.999891	.999842	.999782	5.68
5.69	.999976	.999957	.999930	.999893	.999845	.999786	5.69
5.70	.999977	.999958	.999931	.999895	.999848	.999789	5.70
5.71	.999977	.999959	.999933	.999897	.999850	.999792	5.71
5.72	.999978	.999960	.999934	.999898	.999852	.999795	5.72
5.73	.999978	.999961	.999935	.999900	.999855	.999798	5.73
5.74	.999979	.999961	.999936	.999902	.999857	.999801	5.74
5.75	.999979	.999962	.999938	.999904	.999859	.999804	5.75
5.76	.999980	.999963	.999939	.999905	.999862	.999807	5.76
5.77	.999980	.999964	.999940	.999907	.999864	.999810	5.77
5.78	.999980	.999965	.999941	.999909	.999866	.999813	5.78
5.79	.999981	.999965	.999942	.999910	.999868	.999816	5.79
5.80	.999981	.999966	.999943	.999912	.999871	.999819	5.80
5.81	.999982	.999967	.999944	.999913	.999873	.999822	5.81
5.82	.999982	.999967	.999945	.999915	.999875	.999824	5.82
5.83	.999983	.999968	.999946	.999916	.999877	.999827	5.83
5.84	.999983	.999969	.999947	.999918	.999879	.999830	5.84
5.85	.999983	.999969	.999948	.999919	.999881	.999832	5.85
5.86	.999984	.999970	.999949	.999921	.999883	.999835	5.86
5.87	.999984	.999971	.999950	.999922	.999885	.999837	5.87
5.88	.999984	.999971	.999951	.999923	.999887	.999840	5.88
5.89	.999985	.999972	.999952	.999925	.999888	.999842	5.89
5.90	.999985	.999972	.999953	.999926	.999890	.999845	5.90
5.91	.999985	.999973	.999954	.999927	.999892	.999847	5.91
5.92	.999986	.999973	.999955	.999929	.999894	.999849	5.92
5.93	.999986	.999974	.999956	.999930	.999895	.999852	5.93
5.94	.999986	.999975	.999957	.999931	.999897	.999854	5.94
5.95	.999987	.999975	.999957	.999932	.999899	.999856	5.95
5.96	.999987	.999976	.999958	.999933	.999901	.999858	5.96
5.97	.999987	.999976	.999959	.999935	.999902	.999861	5.97
5.98	.999988	.999977	.999960	.999936	.999904	.999863	5.98
5.99	.999988	.999977	.999960	.999937	.999905	.999865	5.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
6.00				.999999	.999998	.999995	6.00
6.01				.999999	.999998	.999995	6.01
6.02				.999999	.999998	.999995	6.02
6.03				.999999	.999998	.999995	6.03
6.04				.999999	.999998	.999995	6.04
6.05				.999999	.999998	.999995	6.05
6.06				.999999	.999998	.999995	6.06
6.07				.999999	.999998	.999995	6.07
6.08				.999999	.999998	.999996	6.08
6.09					.999998	.999996	6.09
6.10					.999998	.999996	6.10
6.11					.999998	.999996	6.11
6.12					.999998	.999996	6.12
6.13					.999999	.999996	6.13
6.14					.999999	.999996	6.14
6.15					.999999	.999996	6.15
6.16					.999999	.999996	6.16
6.17					.999999	.999996	6.17
6.18					.999999	.999996	6.18
6.19					.999999	.999997	6.19
6.20					.999999	.999997	6.20
6.21					.999999	.999997	6.21
6.22					.999999	.999997	6.22
6.23					.999999	.999997	6.23
6.24					.999999	.999997	6.24
6.25					.999999	.999997	6.25
6.26					.999999	.999997	6.26
6.27					.999999	.999997	6.27
6.28					.999999	.999997	6.28
6.29					.999999	.999997	6.29
6.30					.999999	.999997	6.30
6.31					.999999	.999998	6.31
6.32					.999999	.999998	6.32
6.33					.999999	.999998	6.33
6.34					.999999	.999998	6.34
6.35					.999999	.999998	6.35
6.36					.999999	.999998	6.36
6.37					.999999	.999998	6.37
6.38					.999999	.999998	6.38
6.39					.999999	.999998	6.39
6.40					.999999	.999998	6.40
6.41					.999999	.999998	6.41
6.42					.999999	.999998	6.42
6.43					.999999	.999998	6.43
6.44					.999999	.999998	6.44
6.45					.999999	.999998	6.45
6.46					.999999	.999998	6.46
6.47					.999999	.999998	6.47
6.48					.999999	.999998	6.48
6.49					.999999	.999998	6.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
6.00	.999988	.999978	.999961	.999938	.999907	.999867	6.00
6.01	.999988	.999978	.999962	.999939	.999908	.999869	6.01
6.02	.999989	.999978	.999963	.999940	.999910	.999871	6.02
6.03	.999989	.999979	.999963	.999941	.999911	.999873	6.03
6.04	.999989	.999979	.999964	.999942	.999913	.999875	6.04
6.05	.999989	.999980	.999965	.999943	.999914	.999877	6.05
6.06	.999990	.999980	.999965	.999944	.999916	.999879	6.06
6.07	.999990	.999981	.999966	.999945	.999917	.999881	6.07
6.08	.999990	.999981	.999967	.999946	.999918	.999882	6.08
6.09	.999990	.999981	.999967	.999947	.999920	.999884	6.09
6.10	.999991	.999982	.999968	.999948	.999921	.999886	6.10
6.11	.999991	.999982	.999969	.999949	.999922	.999888	6.11
6.12	.999991	.999983	.999969	.999950	.999924	.999889	6.12
6.13	.999991	.999983	.999970	.999951	.999925	.999891	6.13
6.14	.999991	.999983	.999970	.999952	.999926	.999893	6.14
6.15	.999992	.999984	.999971	.999953	.999927	.999894	6.15
6.16	.999992	.999984	.999971	.999953	.999929	.999896	6.16
6.17	.999992	.999984	.999972	.999954	.999930	.999898	6.17
6.18	.999992	.999985	.999973	.999955	.999931	.999899	6.18
6.19	.999992	.999985	.999973	.999956	.999932	.999901	6.19
6.20	.999993	.999985	.999974	.999957	.999933	.999902	6.20
6.21	.999993	.999986	.999974	.999957	.999934	.999904	6.21
6.22	.999993	.999986	.999975	.999958	.999935	.999905	6.22
6.23	.999993	.999986	.999975	.999959	.999936	.999907	6.23
6.24	.999993	.999986	.999976	.999960	.999937	.999908	6.24
6.25	.999993	.999987	.999976	.999960	.999938	.999910	6.25
6.26	.999994	.999987	.999976	.999961	.999939	.999911	6.26
6.27	.999994	.999987	.999977	.999962	.999940	.999912	6.27
6.28	.999994	.999988	.999977	.999962	.999941	.999914	6.28
6.29	.999994	.999988	.999978	.999963	.999942	.999915	6.29
6.30	.999994	.999988	.999978	.999964	.999943	.999916	6.30
6.31	.999994	.999988	.999979	.999964	.999944	.999918	6.31
6.32	.999994	.999989	.999979	.999965	.999945	.999919	6.32
6.33	.999994	.999989	.999979	.999966	.999946	.999920	6.33
6.34	.999995	.999989	.999980	.999966	.999947	.999921	6.34
6.35	.999995	.999989	.999980	.999967	.999948	.999923	6.35
6.36	.999995	.999989	.999981	.999967	.999949	.999924	6.36
6.37	.999995	.999990	.999981	.999968	.999950	.999925	6.37
6.38	.999995	.999990	.999981	.999969	.999950	.999926	6.38
6.39	.999995	.999990	.999982	.999969	.999951	.999927	6.39
6.40	.999995	.999990	.999982	.999970	.999952	.999928	6.40
6.41	.999995	.999991	.999982	.999970	.999953	.999930	6.41
6.42	.999996	.999991	.999983	.999971	.999954	.999931	6.42
6.43	.999996	.999991	.999983	.999971	.999954	.999932	6.43
6.44	.999996	.999991	.999983	.999972	.999955	.999933	6.44
6.45	.999996	.999991	.999984	.999972	.999956	.999934	6.45
6.46	.999996	.999991	.999984	.999973	.999957	.999935	6.46
6.47	.999996	.999992	.999984	.999973	.999957	.999936	6.47
6.48	.999996	.999992	.999985	.999974	.999958	.999937	6.48
6.49	.999996	.999992	.999985	.999974	.999959	.999938	6.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
6.50						.999999	6.50
6.51						.999999	6.51
6.52						.999999	6.52
6.53						.999999	6.53
6.54						.999999	6.54
6.55						.999999	6.55
6.56						.999999	6.56
6.57						.999999	6.57
6.58						.999999	6.58
6.59						.999999	6.59
6.60						.999999	6.60
6.61						.999999	6.61
6.62						.999999	6.62
6.63						.999999	6.63
6.64						.999999	6.64
6.65						.999999	6.65
6.66						.999999	6.66
6.67						.999999	6.67
6.68						.999999	6.68
6.69						.999999	6.69
6.70						.999999	6.70
6.71						.999999	6.71
6.72						.999999	6.72
6.73						.999999	6.73
6.74						.999999	6.74
6.75						.999999	6.75
6.76						.999999	6.76
6.77						.999999	6.77
6.78						.999999	6.78
6.79						.999999	6.79
6.80						.999999	6.80
6.81						.999999	6.81
6.82						.999999	6.82
6.83						.999999	6.83
6.84						.999999	6.84
6.85						.999999	6.85
6.86						.999999	6.86
6.87						.999999	6.87
6.88						.999999	6.88
6.89						.999999	6.89
6.90						.999999	6.90
6.91						.999999	6.91
6.92							6.92
6.93							6.93
6.94							6.94
6.95							6.95
6.96							6.96
6.97							6.97
6.98							6.98
6.99							6.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
6.50	.999996	.999992	.999985	.999975	.999959	.999939	6.50
6.51	.999996	.999992	.999986	.999975	.999960	.999940	6.51
6.52	.999996	.999992	.999986	.999976	.999961	.999941	6.52
6.53	.999997	.999993	.999986	.999976	.999961	.999942	6.53
6.54	.999997	.999993	.999986	.999976	.999962	.999942	6.54
6.55	.999997	.999993	.999987	.999977	.999963	.999943	6.55
6.56	.999997	.999993	.999987	.999977	.999963	.999944	6.56
6.57	.999997	.999993	.999987	.999978	.999964	.999945	6.57
6.58	.999997	.999993	.999987	.999978	.999964	.999946	6.58
6.59	.999997	.999994	.999988	.999978	.999965	.999947	6.59
6.60	.999997	.999994	.999988	.999979	.999966	.999948	6.60
6.61	.999997	.999994	.999988	.999979	.999966	.999948	6.61
6.62	.999997	.999994	.999988	.999980	.999967	.999949	6.62
6.63	.999997	.999994	.999989	.999980	.999967	.999950	6.63
6.64	.999997	.999994	.999989	.999980	.999968	.999951	6.64
6.65	.999997	.999994	.999989	.999981	.999968	.999952	6.65
6.66	.999997	.999994	.999989	.999981	.999969	.999952	6.66
6.67	.999998	.999995	.999989	.999981	.999969	.999953	6.67
6.68	.999998	.999995	.999990	.999982	.999970	.999954	6.68
6.69	.999998	.999995	.999990	.999982	.999970	.999954	6.69
6.70	.999998	.999995	.999990	.999982	.999971	.999955	6.70
6.71	.999998	.999995	.999990	.999983	.999971	.999956	6.71
6.72	.999998	.999995	.999990	.999983	.999972	.999957	6.72
6.73	.999998	.999995	.999991	.999983	.999972	.999957	6.73
6.74	.999998	.999995	.999991	.999984	.999973	.999958	6.74
6.75	.999998	.999995	.999991	.999984	.999973	.999959	6.75
6.76	.999998	.999996	.999991	.999984	.999974	.999959	6.76
6.77	.999998	.999996	.999991	.999984	.999974	.999960	6.77
6.78	.999998	.999996	.999991	.999985	.999975	.999960	6.78
6.79	.999998	.999996	.999992	.999985	.999975	.999961	6.79
6.80	.999998	.999996	.999992	.999985	.999975	.999962	6.80
6.81	.999998	.999996	.999992	.999985	.999976	.999962	6.81
6.82	.999998	.999996	.999992	.999986	.999976	.999963	6.82
6.83	.999998	.999996	.999992	.999986	.999977	.999963	6.83
6.84	.999998	.999996	.999992	.999986	.999977	.999964	6.84
6.85	.999998	.999996	.999993	.999986	.999977	.999965	6.85
6.86	.999998	.999996	.999993	.999987	.999978	.999965	6.86
6.87	.999998	.999996	.999993	.999987	.999978	.999966	6.87
6.88	.999998	.999997	.999993	.999987	.999979	.999966	6.88
6.89	.999999	.999997	.999993	.999987	.999979	.999967	6.89
6.90	.999999	.999997	.999993	.999988	.999979	.999967	6.90
6.91	.999999	.999997	.999993	.999988	.999980	.999968	6.91
6.92	.999999	.999997	.999994	.999988	.999980	.999968	6.92
6.93	.999999	.999997	.999994	.999988	.999980	.999969	6.93
6.94	.999999	.999997	.999994	.999989	.999981	.999969	6.94
6.95	.999999	.999997	.999994	.999989	.999981	.999970	6.95
6.96	.999999	.999997	.999994	.999989	.999981	.999970	6.96
6.97	.999999	.999997	.999994	.999989	.999982	.999971	6.97
6.98	.999999	.999997	.999994	.999989	.999982	.999971	6.98
6.99	.999999	.999997	.999994	.999990	.999982	.999972	6.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
7.50							7.50
7.51							7.51
7.52							7.52
7.53							7.53
7.54							7.54
7.55							7.55
7.56							7.56
7.57							7.57
7.58							7.58
7.59							7.59
7.60							7.60
7.61							7.61
7.62							7.62
7.63							7.63
7.64							7.64
7.65							7.65
7.66							7.66
7.67							7.67
7.68							7.68
7.69							7.69
7.70							7.70
7.71							7.71
7.72							7.72
7.73							7.73
7.74							7.74
7.75							7.75
7.76							7.76
7.77							7.77
7.78							7.78
7.79							7.79
7.80							7.80
7.81							7.81
7.82							7.82
7.83							7.83
7.84							7.84
7.85							7.85
7.86							7.86
7.87							7.87
7.88							7.88
7.89							7.89
7.90							7.90
7.91							7.91
7.92							7.92
7.93							7.93
7.94							7.94
7.95							7.95
7.96							7.96
7.97							7.97
7.98							7.98
7.99							7.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
7.50		.999999	.999998	.999996	.999992	.999987	7.50
7.51		.999999	.999998	.999996	.999993	.999987	7.51
7.52		.999999	.999998	.999996	.999993	.999988	7.52
7.53		.999999	.999998	.999996	.999993	.999988	7.53
7.54		.999999	.999998	.999996	.999993	.999988	7.54
7.55		.999999	.999998	.999996	.999993	.999988	7.55
7.56		.999999	.999998	.999996	.999993	.999988	7.56
7.57		.999999	.999998	.999996	.999993	.999989	7.57
7.58		.999999	.999998	.999996	.999993	.999989	7.58
7.59		.999999	.999998	.999997	.999994	.999989	7.59
7.60		.999999	.999998	.999997	.999994	.999989	7.60
7.61		.999999	.999998	.999997	.999994	.999989	7.61
7.62		.999999	.999998	.999997	.999994	.999989	7.62
7.63		.999999	.999998	.999997	.999994	.999990	7.63
7.64		.999999	.999998	.999997	.999994	.999990	7.64
7.65		.999999	.999998	.999997	.999994	.999990	7.65
7.66		.999999	.999999	.999997	.999994	.999990	7.66
7.67		.999999	.999999	.999997	.999994	.999990	7.67
7.68		.999999	.999999	.999997	.999994	.999990	7.68
7.69		.999999	.999999	.999997	.999995	.999991	7.69
7.70		.999999	.999999	.999997	.999995	.999991	7.70
7.71		.999999	.999999	.999997	.999995	.999991	7.71
7.72		.999999	.999999	.999997	.999995	.999991	7.72
7.73		.999999	.999999	.999997	.999995	.999991	7.73
7.74		.999999	.999999	.999997	.999995	.999991	7.74
7.75		.999999	.999999	.999997	.999995	.999991	7.75
7.76		.999999	.999999	.999997	.999995	.999992	7.76
7.77			.999999	.999997	.999995	.999992	7.77
7.78			.999999	.999998	.999995	.999992	7.78
7.79			.999999	.999998	.999995	.999992	7.79
7.80			.999999	.999998	.999995	.999992	7.80
7.81			.999999	.999998	.999996	.999992	7.81
7.82			.999999	.999998	.999996	.999992	7.82
7.83			.999999	.999998	.999996	.999992	7.83
7.84			.999999	.999998	.999996	.999993	7.84
7.85			.999999	.999998	.999996	.999993	7.85
7.86			.999999	.999998	.999996	.999993	7.86
7.87			.999999	.999998	.999996	.999993	7.87
7.88			.999999	.999998	.999996	.999993	7.88
7.89			.999999	.999998	.999996	.999993	7.89
7.90			.999999	.999998	.999996	.999993	7.90
7.91			.999999	.999998	.999996	.999993	7.91
7.92			.999999	.999998	.999996	.999993	7.92
7.93			.999999	.999998	.999996	.999994	7.93
7.94			.999999	.999998	.999996	.999994	7.94
7.95			.999999	.999998	.999997	.999994	7.95
7.96			.999999	.999998	.999997	.999994	7.96
7.97			.999999	.999998	.999997	.999994	7.97
7.98			.999999	.999998	.999997	.999994	7.98
7.99			.999999	.999998	.999997	.999994	7.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
8.00							8.00
8.01							8.01
8.02							8.02
8.03							8.03
8.04							8.04
8.05							8.05
8.06							8.06
8.07							8.07
8.08							8.08
8.09							8.09
8.10							8.10
8.11							8.11
8.12							8.12
8.13							8.13
8.14							8.14
8.15							8.15
8.16							8.16
8.17							8.17
8.18							8.18
8.19							8.19
8.20							8.20
8.21							8.21
8.22							8.22
8.23							8.23
8.24							8.24
8.25							8.25
8.26							8.26
8.27							8.27
8.28							8.28
8.29							8.29
8.30							8.30
8.31							8.31
8.32							8.32
8.33							8.33
8.34							8.34
8.35							8.35
8.36							8.36
8.37							8.37
8.38							8.38
8.39							8.39
8.40							8.40
8.41							8.41
8.42							8.42
8.43							8.43
8.44							8.44
8.45							8.45
8.46							8.46
8.47							8.47
8.48							8.48
8.49							8.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
8.00			.999999	.999998	.999997	.999994	8.00
8.01			.999999	.999998	.999997	.999994	8.01
8.02			.999999	.999998	.999997	.999994	8.02
8.03			.999999	.999998	.999997	.999995	8.03
8.04			.999999	.999998	.999997	.999995	8.04
8.05			.999999	.999999	.999997	.999995	8.05
8.06			.999999	.999999	.999997	.999995	8.06
8.07			.999999	.999999	.999997	.999995	8.07
8.08			.999999	.999999	.999997	.999995	8.08
8.09			.999999	.999999	.999997	.999995	8.09
8.10			.999999	.999999	.999997	.999995	8.10
8.11			.999999	.999999	.999997	.999995	8.11
8.12			.999999	.999999	.999997	.999995	8.12
8.13			.999999	.999999	.999997	.999995	8.13
8.14			.999999	.999999	.999997	.999995	8.14
8.15			.999999	.999999	.999998	.999995	8.15
8.16			.999999	.999999	.999998	.999996	8.16
8.17			.999999	.999999	.999998	.999996	8.17
8.18			.999999	.999999	.999998	.999996	8.18
8.19			.999999	.999999	.999998	.999996	8.19
8.20				.999999	.999998	.999996	8.20
8.21				.999999	.999998	.999996	8.21
8.22				.999999	.999998	.999996	8.22
8.23				.999999	.999998	.999996	8.23
8.24				.999999	.999998	.999996	8.24
8.25				.999999	.999998	.999996	8.25
8.26				.999999	.999998	.999996	8.26
8.27				.999999	.999998	.999996	8.27
8.28				.999999	.999998	.999996	8.28
8.29				.999999	.999998	.999996	8.29
8.30				.999999	.999998	.999996	8.30
8.31				.999999	.999998	.999997	8.31
8.32				.999999	.999998	.999997	8.32
8.33				.999999	.999998	.999997	8.33
8.34				.999999	.999998	.999997	8.34
8.35				.999999	.999998	.999997	8.35
8.36				.999999	.999998	.999997	8.36
8.37				.999999	.999998	.999997	8.37
8.38				.999999	.999998	.999997	8.38
8.39				.999999	.999998	.999997	8.39
8.40				.999999	.999998	.999997	8.40
8.41				.999999	.999998	.999997	8.41
8.42				.999999	.999998	.999997	8.42
8.43				.999999	.999998	.999997	8.43
8.44				.999999	.999999	.999997	8.44
8.45				.999999	.999999	.999997	8.45
8.46				.999999	.999999	.999997	8.46
8.47				.999999	.999999	.999997	8.47
8.48				.999999	.999999	.999997	8.48
8.49				.999999	.999999	.999997	8.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
8.50							8.50
8.51							8.51
8.52							8.52
8.53							8.53
8.54							8.54
8.55							8.55
8.56							8.56
8.57							8.57
8.58							8.58
8.59							8.59
8.60							8.60
8.61							8.61
8.62							8.62
8.63							8.63
8.64							8.64
8.65							8.65
8.66							8.66
8.67							8.67
8.68							8.68
8.69							8.69
8.70							8.70
8.71							8.71
8.72							8.72
8.73							8.73
8.74							8.74
8.75							8.75
8.76							8.76
8.77							8.77
8.78							8.78
8.79							8.79
8.80							8.80
8.81							8.81
8.82							8.82
8.83							8.83
8.84							8.84
8.85							8.85
8.86							8.86
8.87							8.87
8.88							8.88
8.89							8.89
8.90							8.90
8.91							8.91
8.92							8.92
8.93							8.93
8.94							8.94
8.95							8.95
8.96							8.96
8.97							8.97
8.98							8.98
8.99							8.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
8.50				.999999	.999999	.999997	8.50
8.51				.999999	.999999	.999997	8.51
8.52				.999999	.999999	.999998	8.52
8.53				.999999	.999999	.999998	8.53
8.54				.999999	.999999	.999998	8.54
8.55				.999999	.999999	.999998	8.55
8.56				.999999	.999999	.999998	8.56
8.57				.999999	.999999	.999998	8.57
8.58				.999999	.999999	.999998	8.58
8.59				.999999	.999999	.999998	8.59
8.60				.999999	.999999	.999998	8.60
8.61				.999999	.999999	.999998	8.61
8.62				.999999	.999999	.999998	8.62
8.63				.999999	.999999	.999998	8.63
8.64					.999999	.999998	8.64
8.65					.999999	.999998	8.65
8.66					.999999	.999998	8.66
8.67					.999999	.999998	8.67
8.68					.999999	.999998	8.68
8.69					.999999	.999998	8.69
8.70					.999999	.999998	8.70
8.71					.999999	.999998	8.71
8.72					.999999	.999998	8.72
8.73					.999999	.999998	8.73
8.74					.999999	.999998	8.74
8.75					.999999	.999998	8.75
8.76					.999999	.999998	8.76
8.77					.999999	.999998	8.77
8.78					.999999	.999998	8.78
8.79					.999999	.999998	8.79
8.80					.999999	.999998	8.80
8.81					.999999	.999998	8.81
8.82					.999999	.999998	8.82
8.83					.999999	.999998	8.83
8.84					.999999	.999999	8.84
8.85					.999999	.999999	8.85
8.86					.999999	.999999	8.86
8.87					.999999	.999999	8.87
8.88					.999999	.999999	8.88
8.89					.999999	.999999	8.89
8.90					.999999	.999999	8.90
8.91					.999999	.999999	8.91
8.92					.999999	.999999	8.92
8.93					.999999	.999999	8.93
8.94					.999999	.999999	8.94
8.95					.999999	.999999	8.95
8.96					.999999	.999999	8.96
8.97					.999999	.999999	8.97
8.98					.999999	.999999	8.98
8.99					.999999	.999999	8.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
9.00							9.00
9.01							9.01
9.02							9.02
9.03							9.03
9.04							9.04
9.05							9.05
9.06							9.06
9.07							9.07
9.08							9.08
9.09							9.09
9.10							9.10
9.11							9.11
9.12							9.12
9.13							9.13
9.14							9.14
9.15							9.15
9.16							9.16
9.17							9.17
9.18							9.18
9.19							9.19
9.20							9.20
9.21							9.21
9.22							9.22
9.23							9.23
9.24							9.24
9.25							9.25
9.26							9.26
9.27							9.27
9.28							9.28
9.29							9.29
9.30							9.30
9.31							9.31
9.32							9.32
9.33							9.33
9.34							9.34
9.35							9.35
9.36							9.36
9.37							9.37
9.38							9.38
9.39							9.39
9.40							9.40
9.41							9.41
9.42							9.42
9.43							9.43
9.44							9.44
9.45							9.45
9.46							9.46
9.47							9.47
9.48							9.48
9.49							9.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
9.00					.999999	.999999	9.00
9.01					.999999	.999999	9.01
9.02					.999999	.999999	9.02
9.03					.999999	.999999	9.03
9.04					.999999	.999999	9.04
9.05					.999999	.999999	9.05
9.06					.999999	.999999	9.06
9.07					.999999	.999999	9.07
9.08						.999999	9.08
9.09						.999999	9.09
9.10						.999999	9.10
9.11						.999999	9.11
9.12						.999999	9.12
9.13						.999999	9.13
9.14						.999999	9.14
9.15						.999999	9.15
9.16						.999999	9.16
9.17						.999999	9.17
9.18						.999999	9.18
9.19						.999999	9.19
9.20						.999999	9.20
9.21						.999999	9.21
9.22						.999999	9.22
9.23						.999999	9.23
9.24						.999999	9.24
9.25						.999999	9.25
9.26						.999999	9.26
9.27						.999999	9.27
9.28						.999999	9.28
9.29						.999999	9.29
9.30						.999999	9.30
9.31						.999999	9.31
9.32						.999999	9.32
9.33						.999999	9.33
9.34						.999999	9.34
9.35						.999999	9.35
9.36						.999999	9.36
9.37						.999999	9.37
9.38						.999999	9.38
9.39						.999999	9.39
9.40						.999999	9.40
9.41						.999999	9.41
9.42						.999999	9.42
9.43						.999999	9.43
9.44						.999999	9.44
9.45						.999999	9.45
9.46						.999999	9.46
9.47						.999999	9.47
9.48						.999999	9.48
9.49						.999999	9.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
9.50							9.50
9.51							9.51
9.52							9.52
9.53							9.53
9.54							9.54
9.55							9.55
9.56							9.56
9.57							9.57
9.58							9.58
9.59							9.59
9.60							9.60
9.61							9.61
9.62							9.62
9.63							9.63
9.64							9.64
9.65							9.65
9.66							9.66
9.67							9.67
9.68							9.68
9.69							9.69
9.70							9.70
9.71							9.71
9.72							9.72
9.73							9.73
9.74							9.74
9.75							9.75
9.76							9.76
9.77							9.77
9.78							9.78
9.79							9.79
9.80							9.80
9.81							9.81
9.82							9.82
9.83							9.83
9.84							9.84
9.85							9.85
9.86							9.86
9.87							9.87
9.88							9.88
9.89							9.89
9.90							9.90
9.91							9.91
9.92							9.92
9.93							9.93
9.94							9.94
9.95							9.95
9.96							9.96
9.97							9.97
9.98							9.98
9.99							9.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
9.50						.999999	9.50
9.51						.999999	9.51
9.52							9.52
9.53							9.53
9.54							9.54
9.55							9.55
9.56							9.56
9.57							9.57
9.58							9.58
9.59							9.59
9.60							9.60
9.61							9.61
9.62							9.62
9.63							9.63
9.64							9.64
9.65							9.65
9.66							9.66
9.67							9.67
9.68							9.68
9.69							9.69
9.70							9.70
9.71							9.71
9.72							9.72
9.73							9.73
9.74							9.74
9.75							9.75
9.76							9.76
9.77							9.77
9.78							9.78
9.79							9.79
9.80							9.80
9.81							9.81
9.82							9.82
9.83							9.83
9.84							9.84
9.85							9.85
9.86							9.86
9.87							9.87
9.88							9.88
9.89							9.89
9.90							9.90
9.91							9.91
9.92							9.92
9.93							9.93
9.94							9.94
9.95							9.95
9.96							9.96
9.97							9.97
9.98							9.98
9.99							9.99

TABLE II

ORDINATES OF THE STANDARDIZED
TYPE III FUNCTION

$$y = y_0 \left(1 + \frac{\alpha_s}{2} t \right)^{\frac{4}{\alpha_s} - 1} e^{-\frac{2}{\alpha_s} t}$$

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-5.49							-5.49
-5.48							-5.48
-5.47							-5.47
-5.46							-5.46
-5.45							-5.45
-5.44							-5.44
-5.43							-5.43
-5.42							-5.42
-5.41							-5.41
-5.40							-5.40
-5.39							-5.39
-5.38							-5.38
-5.37							-5.37
-5.36							-5.36
-5.35							-5.35
-5.34							-5.34
-5.33							-5.33
-5.32							-5.32
-5.31							-5.31
-5.30							-5.30
-5.29							-5.29
-5.28							-5.28
-5.27							-5.27
-5.26							-5.26
-5.25							-5.25
-5.24							-5.24
-5.23							-5.23
-5.22							-5.22
-5.21	.000001						-5.21
-5.20	.000001						-5.20
-5.19	.000001						-5.19
-5.18	.000001						-5.18
-5.17	.000001						-5.17
-5.16	.000001						-5.16
-5.15	.000001						-5.15
-5.14	.000001						-5.14
-5.13	.000001						-5.13
-5.12	.000001						-5.12
-5.11	.000001						-5.11
-5.10	.000001						-5.10
-5.09	.000001						-5.09
-5.08	.000001						-5.08
-5.07	.000001						-5.07
-5.06	.000001						-5.06
-5.05	.000001						-5.05
-5.04	.000001						-5.04
-5.03	.000001						-5.03
-5.02	.000001						-5.02
-5.01	.000001						-5.01
-5.00	.000001						-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-5.49							-5.49
-5.48							-5.48
-5.47							-5.47
-5.46							-5.46
-5.45							-5.45
-5.44							-5.44
-5.43							-5.43
-5.42							-5.42
-5.41							-5.41
-5.40							-5.40
-5.39							-5.39
-5.38							-5.38
-5.37							-5.37
-5.36							-5.36
-5.35							-5.35
-5.34							-5.34
-5.33							-5.33
-5.32							-5.32
-5.31							-5.31
-5.30							-5.30
-5.29							-5.29
-5.28							-5.28
-5.27							-5.27
-5.26							-5.26
-5.25							-5.25
-5.24							-5.24
-5.23							-5.23
-5.22							-5.22
-5.21							-5.21
-5.20							-5.20
-5.19							-5.19
-5.18							-5.18
-5.17							-5.17
-5.16							-5.16
-5.15							-5.15
-5.14							-5.14
-5.13							-5.13
-5.12							-5.12
-5.11							-5.11
-5.10							-5.10
-5.09							-5.09
-5.08							-5.08
-5.07							-5.07
-5.06							-5.06
-5.05							-5.05
-5.04							-5.04
-5.03							-5.03
-5.02							-5.02
-5.01							-5.01
-5.00							-5.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.99	.000002						-4.99
-4.98	.000002						-4.98
-4.97	.000002						-4.97
-4.96	.000002						-4.96
-4.95	.000002						-4.95
-4.94	.000002						-4.94
-4.93	.000002						-4.93
-4.92	.000002						-4.92
-4.91	.000002						-4.91
-4.90	.000002						-4.90
-4.89	.000003						-4.89
-4.88	.000003						-4.88
-4.87	.000003						-4.87
-4.86	.000003						-4.86
-4.85	.000003						-4.85
-4.84	.000003						-4.84
-4.83	.000003						-4.83
-4.82	.000004						-4.82
-4.81	.000004	.000001					-4.81
-4.80	.000004	.000001					-4.80
-4.79	.000004	.000001					-4.79
-4.78	.000004	.000001					-4.78
-4.77	.000005	.000001					-4.77
-4.76	.000005	.000001					-4.76
-4.75	.000005	.000001					-4.75
-4.74	.000005	.000001					-4.74
-4.73	.000006	.000001					-4.73
-4.72	.000006	.000001					-4.72
-4.71	.000006	.000001					-4.71
-4.70	.000006	.000001					-4.70
-4.69	.000007	.000001					-4.69
-4.68	.000007	.000001					-4.68
-4.67	.000007	.000001					-4.67
-4.66	.000008	.000001					-4.66
-4.65	.000008	.000001					-4.65
-4.64	.000008	.000001					-4.64
-4.63	.000009	.000002					-4.63
-4.62	.000009	.000002					-4.62
-4.61	.000010	.000002					-4.61
-4.60	.000010	.000002					-4.60
-4.59	.000011	.000002					-4.59
-4.58	.000011	.000002					-4.58
-4.57	.000012	.000002					-4.57
-4.56	.000012	.000002					-4.56
-4.55	.000013	.000002					-4.55
-4.54	.000013	.000003					-4.54
-4.53	.000014	.000003					-4.53
-4.52	.000015	.000003					-4.52
-4.51	.000015	.000003					-4.51
-4.50	.000016	.000003					-4.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.99							-4.99
-4.98							-4.98
-4.97							-4.97
-4.96							-4.96
-4.95							-4.95
-4.94							-4.94
-4.93							-4.93
-4.92							-4.92
-4.91							-4.91
-4.90							-4.90
-4.89							-4.89
-4.88							-4.88
-4.87							-4.87
-4.86							-4.86
-4.85							-4.85
-4.84							-4.84
-4.83							-4.83
-4.82							-4.82
-4.81							-4.81
-4.80							-4.80
-4.79							-4.79
-4.78							-4.78
-4.77							-4.77
-4.76							-4.76
-4.75							-4.75
-4.74							-4.74
-4.73							-4.73
-4.72							-4.72
-4.71							-4.71
-4.70							-4.70
-4.69							-4.69
-4.68							-4.68
-4.67							-4.67
-4.66							-4.66
-4.65							-4.65
-4.64							-4.64
-4.63							-4.63
-4.62							-4.62
-4.61							-4.61
-4.60							-4.60
-4.59							-4.59
-4.58							-4.58
-4.57							-4.57
-4.56							-4.56
-4.55							-4.55
-4.54							-4.54
-4.53							-4.53
-4.52							-4.52
-4.51							-4.51
-4.50							-4.50

PEARSON'S TYPE III FUNCTION—ORDINATES

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.49	.000017	.000003					-4.49
-4.48	.000018	.000004					-4.48
-4.47	.000018	.000004					-4.47
-4.46	.000019	.000004					-4.46
-4.45	.000020	.000004					-4.45
-4.44	.000021	.000005					-4.44
-4.43	.000022	.000005					-4.43
-4.42	.000023	.000005	.000001				-4.42
-4.41	.000024	.000005	.000001				-4.41
-4.40	.000025	.000006	.000001				-4.40
-4.39	.000026	.000006	.000001				-4.39
-4.38	.000027	.000006	.000001				-4.38
-4.37	.000028	.000007	.000001				-4.37
-4.36	.000030	.000007	.000001				-4.36
-4.35	.000031	.000008	.000001				-4.35
-4.34	.000032	.000008	.000001				-4.34
-4.33	.000034	.000009	.000001				-4.33
-4.32	.000035	.000009	.000001				-4.32
-4.31	.000037	.000010	.000001				-4.31
-4.30	.000039	.000010	.000001				-4.30
-4.29	.000040	.000011	.000001				-4.29
-4.28	.000042	.000011	.000001				-4.28
-4.27	.000044	.000012	.000002				-4.27
-4.26	.000046	.000012	.000002				-4.26
-4.25	.000048	.000013	.000002				-4.25
-4.24	.000050	.000014	.000002				-4.24
-4.23	.000052	.000015	.000002				-4.23
-4.22	.000054	.000015	.000002				-4.22
-4.21	.000057	.000016	.000002				-4.21
-4.20	.000059	.000017	.000003				-4.20
-4.19	.000062	.000018	.000003				-4.19
-4.18	.000064	.000019	.000003				-4.18
-4.17	.000067	.000020	.000003				-4.17
-4.16	.000070	.000021	.000003				-4.16
-4.15	.000073	.000022	.000004				-4.15
-4.14	.000076	.000023	.000004				-4.14
-4.13	.000079	.000025	.000004				-4.13
-4.12	.000082	.000026	.000005				-4.12
-4.11	.000086	.000027	.000005				-4.11
-4.10	.000089	.000029	.000005				-4.10
-4.09	.000093	.000030	.000006				-4.09
-4.08	.000097	.000032	.000006				-4.08
-4.07	.000101	.000034	.000006				-4.07
-4.06	.000105	.000035	.000007				-4.06
-4.05	.000109	.000037	.000007				-4.05
-4.04	.000114	.000039	.000008	.000001			-4.04
-4.03	.000119	.000041	.000008	.000001			-4.03
-4.02	.000124	.000043	.000009	.000001			-4.02
-4.01	.000129	.000045	.000010	.000001			-4.01
-4.00	.000134	.000048	.000010	.000001			-4.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.49							-4.49
-4.48							-4.48
-4.47							-4.47
-4.46							-4.46
-4.45							-4.45
-4.44							-4.44
-4.43							-4.43
-4.42							-4.42
-4.41							-4.41
-4.40							-4.40
-4.39							-4.39
-4.38							-4.38
-4.37							-4.37
-4.36							-4.36
-4.35							-4.35
-4.34							-4.34
-4.33							-4.33
-4.32							-4.32
-4.31							-4.31
-4.30							-4.30
-4.29							-4.29
-4.28							-4.28
-4.27							-4.27
-4.26							-4.26
-4.25							-4.25
-4.24							-4.24
-4.23							-4.23
-4.22							-4.22
-4.21							-4.21
-4.20							-4.20
-4.19							-4.19
-4.18							-4.18
-4.17							-4.17
-4.16							-4.16
-4.15							-4.15
-4.14							-4.14
-4.13							-4.13
-4.12							-4.12
-4.11							-4.11
-4.10							-4.10
-4.09							-4.09
-4.08							-4.08
-4.07							-4.07
-4.06							-4.06
-4.05							-4.05
-4.04							-4.04
-4.03							-4.03
-4.02							-4.02
-4.01							-4.01
-4.00							-4.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-3.99	.000139	.000050	.000011	.000001			-3.99
-3.98	.000144	.000052	.000012	.000001			-3.98
-3.97	.000151	.000055	.000012	.000001			-3.97
-3.96	.000157	.000058	.000013	.000001			-3.96
-3.95	.000163	.000061	.000014	.000001			-3.95
-3.94	.000170	.000064	.000015	.000001			-3.94
-3.93	.000177	.000067	.000016	.000002			-3.93
-3.92	.000184	.000070	.000017	.000002			-3.92
-3.91	.000191	.000074	.000018	.000002			-3.91
-3.90	.000199	.000077	.000019	.000002			-3.90
-3.89	.000207	.000081	.000021	.000002			-3.89
-3.88	.000215	.000085	.000022	.000002			-3.88
-3.87	.000223	.000089	.000023	.000003			-3.87
-3.86	.000232	.000094	.000025	.000003			-3.86
-3.85	.000241	.000098	.000026	.000003			-3.85
-3.84	.000251	.000103	.000028	.000003			-3.84
-3.83	.000260	.000108	.000030	.000004			-3.83
-3.82	.000271	.000113	.000032	.000004			-3.82
-3.81	.000281	.000118	.000033	.000004			-3.81
-3.80	.000292	.000124	.000036	.000005			-3.80
-3.79	.000303	.000130	.000038	.000005			-3.79
-3.78	.000315	.000136	.000040	.000006			-3.78
-3.77	.000327	.000142	.000042	.000006			-3.77
-3.76	.000340	.000149	.000045	.000007			-3.76
-3.75	.000353	.000156	.000048	.000007			-3.75
-3.74	.000366	.000163	.000051	.000008			-3.74
-3.73	.000380	.000171	.000054	.000009			-3.73
-3.72	.000394	.000178	.000057	.000009			-3.72
-3.71	.000409	.000187	.000060	.000010			-3.71
-3.70	.000425	.000195	.000064	.000011			-3.70
-3.69	.000441	.000204	.000067	.000012			-3.69
-3.68	.000457	.000213	.000071	.000013	.000001		-3.68
-3.67	.000474	.000223	.000076	.000014	.000001		-3.67
-3.66	.000492	.000233	.000080	.000015	.000001		-3.66
-3.65	.000510	.000244	.000085	.000016	.000001		-3.65
-3.64	.000529	.000255	.000089	.000017	.000001		-3.64
-3.63	.000549	.000266	.000094	.000019	.000001		-3.63
-3.62	.000569	.000278	.000100	.000020	.000001		-3.62
-3.61	.000590	.000290	.000105	.000022	.000001		-3.61
-3.60	.000612	.000303	.000111	.000024	.000001		-3.60
-3.59	.000634	.000317	.000118	.000025	.000002		-3.59
-3.58	.000657	.000331	.000124	.000027	.000002		-3.58
-3.57	.000681	.000345	.000131	.000029	.000002		-3.57
-3.56	.000706	.000360	.000138	.000032	.000002		-3.56
-3.55	.000732	.000376	.000146	.000034	.000003		-3.55
-3.54	.000758	.000392	.000154	.000037	.000003		-3.54
-3.53	.000785	.000409	.000162	.000039	.000003		-3.53
-3.52	.000814	.000427	.000171	.000042	.000004		-3.52
-3.51	.000843	.000445	.000181	.000045	.000004		-3.51
-3.50	.000873	.000464	.000190	.000049	.000004		-3.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-3.99							-3.99
-3.98							-3.98
-3.97							-3.97
-3.96							-3.96
-3.95							-3.95
-3.94							-3.94
-3.93							-3.93
-3.92							-3.92
-3.91							-3.91
-3.90							-3.90
-3.89							-3.89
-3.88							-3.88
-3.87							-3.87
-3.86							-3.86
-3.85							-3.85
-3.84							-3.84
-3.83							-3.83
-3.82							-3.82
-3.81							-3.81
-3.80							-3.80
-3.79							-3.79
-3.78							-3.78
-3.77							-3.77
-3.76							-3.76
-3.75							-3.75
-3.74							-3.74
-3.73							-3.73
-3.72							-3.72
-3.71							-3.71
-3.70							-3.70
-3.69							-3.69
-3.68							-3.68
-3.67							-3.67
-3.66							-3.66
-3.65							-3.65
-3.64							-3.64
-3.63							-3.63
-3.62							-3.62
-3.61							-3.61
-3.60							-3.60
-3.59							-3.59
-3.58							-3.58
-3.57							-3.57
-3.56							-3.56
-3.55							-3.55
-3.54							-3.54
-3.53							-3.53
-3.52							-3.52
-3.51							-3.51
-3.50							-3.50

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-3.49	.000904	.000484	.000200	.000052	.000005		-3.49
-3.48	.000936	.000504	.000211	.000056	.000006		-3.48
-3.47	.000969	.000526	.000222	.000060	.000006		-3.47
-3.46	.001003	.000548	.000234	.000064	.000007		-3.46
-3.45	.001038	.000571	.000246	.000069	.000008		-3.45
-3.44	.001075	.000595	.000259	.000074	.000008		-3.44
-3.43	.001112	.000620	.000273	.000079	.000009		-3.43
-3.42	.001151	.000645	.000287	.000085	.000010		-3.42
-3.41	.001191	.000672	.000302	.000090	.000012		-3.41
-3.40	.001232	.000700	.000317	.000097	.000013		-3.40
-3.39	.001275	.000729	.000333	.000103	.000014		-3.39
-3.38	.001319	.000758	.000350	.000110	.000016		-3.38
-3.37	.001364	.000789	.000368	.000118	.000017		-3.37
-3.36	.001411	.000822	.000387	.000126	.000019		-3.36
-3.35	.001459	.000855	.000406	.000134	.000021		-3.35
-3.34	.001508	.000889	.000427	.000143	.000023		-3.34
-3.33	.001560	.000925	.000448	.000152	.000025	.000001	-3.33
-3.32	.001612	.000962	.000470	.000162	.000028	.000001	-3.32
-3.31	.001667	.001001	.000493	.000173	.000030	.000001	-3.31
-3.30	.001723	.001040	.000517	.000184	.000033	.000001	-3.30
-3.29	.001780	.001082	.000542	.000196	.000036	.000001	-3.29
-3.28	.001840	.001124	.000569	.000208	.000040	.000001	-3.28
-3.27	.001901	.001168	.000596	.000221	.000043	.000002	-3.27
-3.26	.001964	.001214	.000625	.000235	.000047	.000002	-3.26
-3.25	.002029	.001262	.000655	.000250	.000052	.000002	-3.25
-3.24	.002096	.001311	.000686	.000265	.000057	.000003	-3.24
-3.23	.002165	.001361	.000719	.000282	.000062	.000003	-3.23
-3.22	.002236	.001414	.000753	.000299	.000067	.000003	-3.22
-3.21	.002309	.001468	.000788	.000317	.000073	.000004	-3.21
-3.20	.002384	.001524	.000825	.000336	.000079	.000005	-3.20
-3.19	.002462	.001583	.000863	.000357	.000086	.000005	-3.19
-3.18	.002541	.001643	.000903	.000378	.000094	.000006	-3.18
-3.17	.002623	.001705	.000945	.000401	.000102	.000007	-3.17
-3.16	.002707	.001769	.000988	.000424	.000110	.000008	-3.16
-3.15	.002794	.001836	.001033	.000449	.000119	.000010	-3.15
-3.14	.002884	.001904	.001080	.000475	.000129	.000011	-3.14
-3.13	.002975	.001975	.001129	.000503	.000140	.000013	-3.13
-3.12	.003070	.002048	.001180	.000532	.000151	.000014	-3.12
-3.11	.003167	.002124	.001233	.000562	.000163	.000016	-3.11
-3.10	.003267	.002202	.001287	.000594	.000176	.000018	-3.10
-3.09	.003370	.002283	.001345	.000628	.000190	.000021	-3.09
-3.08	.003475	.002367	.001404	.000663	.000205	.000024	-3.08
-3.07	.003584	.002453	.001465	.000700	.000221	.000027	-3.07
-3.06	.003695	.002542	.001529	.000739	.000238	.000030	-3.06
-3.05	.003810	.002633	.001596	.000780	.000256	.000034	-3.05
-3.04	.003928	.002728	.001665	.000822	.000275	.000038	-3.04
-3.03	.004049	.002826	.001737	.000867	.000296	.000043	-3.03
-3.02	.004173	.002927	.001811	.000914	.000318	.000048	-3.02
-3.01	.004301	.003031	.001888	.000963	.000341	.000054	-3.01
-3.00	.004432	.003138	.001968	.001014	.000366	.000060	-3.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-3.49							-3.49
-3.48							-3.48
-3.47							-3.47
-3.46							-3.46
-3.45							-3.45
-3.44							-3.44
-3.43							-3.43
-3.42							-3.42
-3.41							-3.41
-3.40							-3.40
-3.39							-3.39
-3.38							-3.38
-3.37							-3.37
-3.36							-3.36
-3.35							-3.35
-3.34							-3.34
-3.33							-3.33
-3.32							-3.32
-3.31							-3.31
-3.30							-3.30
-3.29							-3.29
-3.28							-3.28
-3.27							-3.27
-3.26							-3.26
-3.25							-3.25
-3.24							-3.24
-3.23							-3.23
-3.22							-3.22
-3.21							-3.21
-3.20							-3.20
-3.19							-3.19
-3.18							-3.18
-3.17							-3.17
-3.16							-3.16
-3.15							-3.15
-3.14							-3.14
-3.13							-3.13
-3.12							-3.12
-3.11							-3.11
-3.10							-3.10
-3.09							-3.09
-3.08							-3.08
-3.07							-3.07
-3.06							-3.06
-3.05							-3.05
-3.04							-3.04
-3.03							-3.03
-3.02							-3.02
-3.01	.000001						-3.01
-3.00	.000001						-3.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-2.99	.004567	.003248	.002051	.001068	.000392	.000067	-2.99
-2.98	.004705	.003363	.002137	.001124	.000420	.000075	-2.98
-2.97	.004847	.003480	.002227	.001183	.000450	.000083	-2.97
-2.96	.004993	.003601	.002319	.001245	.000482	.000092	-2.96
-2.95	.005143	.003726	.002415	.001309	.000515	.000102	-2.95
-2.94	.005296	.003855	.002515	.001376	.000551	.000113	-2.94
-2.93	.005454	.003987	.002618	.001447	.000589	.000125	-2.93
-2.92	.005616	.004124	.002724	.001520	.000629	.000139	-2.92
-2.91	.005782	.004265	.002835	.001596	.000671	.000153	-2.91
-2.90	.005953	.004409	.002949	.001676	.000716	.000168	-2.90
-2.89	.006127	.004559	.003067	.001760	.000763	.000185	-2.89
-2.88	.006307	.004712	.003190	.001847	.000813	.000204	-2.88
-2.87	.006491	.004870	.003316	.001937	.000866	.000224	-2.87
-2.86	.006679	.005033	.003447	.002032	.000922	.000245	-2.86
-2.85	.006873	.005200	.003583	.002130	.000980	.000269	-2.85
-2.84	.007071	.005372	.003723	.002233	.001042	.000294	-2.84
-2.83	.007274	.005550	.003868	.002339	.001108	.000321	-2.83
-2.82	.007483	.005732	.004018	.002450	.001177	.000351	-2.82
-2.81	.007697	.005919	.004172	.002566	.001249	.000382	-2.81
-2.80	.007915	.006112	.004332	.002686	.001326	.000416	-2.80
-2.79	.008140	.006310	.004497	.002812	.001406	.000453	-2.79
-2.78	.008370	.006514	.004668	.002942	.001491	.000493	-2.78
-2.77	.008605	.006723	.004844	.003077	.001579	.000535	-2.77
-2.76	.008847	.006939	.005026	.003218	.001673	.000580	-2.76
-2.75	.009094	.007160	.005213	.003364	.001771	.000629	-2.75
-2.74	.009347	.007387	.005407	.003516	.001873	.000681	-2.74
-2.73	.009606	.007620	.005607	.003673	.001981	.000737	-2.73
-2.72	.009871	.007860	.005813	.003837	.002094	.000796	-2.72
-2.71	.010143	.008106	.006025	.004006	.002213	.000860	-2.71
-2.70	.010421	.008359	.006244	.004182	.002337	.000927	-2.70
-2.69	.010706	.008618	.006470	.004365	.002467	.001000	-2.69
-2.68	.010997	.008885	.006703	.004554	.002603	.001076	-2.68
-2.67	.011295	.009158	.006942	.004750	.002745	.001158	-2.67
-2.66	.011600	.009439	.007189	.004953	.002894	.001245	-2.66
-2.65	.011912	.009726	.007444	.005164	.003049	.001337	-2.65
-2.64	.012232	.010022	.007706	.005382	.003212	.001435	-2.64
-2.63	.012558	.010324	.007976	.005608	.003382	.001539	-2.63
-2.62	.012892	.010635	.008254	.005842	.003559	.001649	-2.62
-2.61	.013234	.010954	.008540	.006083	.003743	.001766	-2.61
-2.60	.013583	.011280	.008834	.006333	.003936	.001889	-2.60
-2.59	.013940	.011615	.009136	.006592	.004137	.002020	-2.59
-2.58	.014305	.011958	.009448	.006860	.004347	.002158	-2.58
-2.57	.014678	.012310	.009768	.007136	.004565	.002303	-2.57
-2.56	.015060	.012670	.010097	.007422	.004792	.002457	-2.56
-2.55	.015449	.013039	.010436	.007717	.005028	.002619	-2.55
-2.54	.015848	.013417	.010784	.008022	.005274	.002789	-2.54
-2.53	.016254	.013805	.011141	.008336	.005530	.002969	-2.53
-2.52	.016670	.014201	.011509	.008661	.005796	.003158	-2.52
-2.51	.017095	.014607	.011886	.008997	.006072	.003356	-2.51
-2.50	.017528	.015023	.012274	.009342	.006360	.003565	-2.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-2.99	.000001						-2.99
-2.98	.000001						-2.98
-2.97	.000001						-2.97
-2.96	.000002						-2.96
-2.95	.000002						-2.95
-2.94	.000003						-2.94
-2.93	.000004						-2.93
-2.92	.000005						-2.92
-2.91	.000006						-2.91
-2.90	.000007						-2.90
-2.89	.000008						-2.89
-2.88	.000010						-2.88
-2.87	.000012						-2.87
-2.86	.000015						-2.86
-2.85	.000018						-2.85
-2.84	.000021						-2.84
-2.83	.000025						-2.83
-2.82	.000029						-2.82
-2.81	.000034						-2.81
-2.80	.000040						-2.80
-2.79	.000047						-2.79
-2.78	.000055						-2.78
-2.77	.000063						-2.77
-2.76	.000073						-2.76
-2.75	.000084						-2.75
-2.74	.000097						-2.74
-2.73	.000111						-2.73
-2.72	.000126						-2.72
-2.71	.000144						-2.71
-2.70	.000164						-2.70
-2.69	.000185	.000001					-2.69
-2.68	.000210	.000002					-2.68
-2.67	.000236	.000003					-2.67
-2.66	.000266	.000004					-2.66
-2.65	.000299	.000005					-2.65
-2.64	.000334	.000007					-2.64
-2.63	.000374	.000010					-2.63
-2.62	.000417	.000013					-2.62
-2.61	.000464	.000017					-2.61
-2.60	.000516	.000021					-2.60
-2.59	.000572	.000027					-2.59
-2.58	.000634	.000035					-2.58
-2.57	.000700	.000043					-2.57
-2.56	.000773	.000054					-2.56
-2.55	.000851	.000066					-2.55
-2.54	.000936	.000081					-2.54
-2.53	.001027	.000099					-2.53
-2.52	.001126	.000119					-2.52
-2.51	.001232	.000142					-2.51
-2.50	.001347	.000170					-2.50

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-2.49	.017971	.015449	.012672	.009699	.006658	.003784	-2.49
-2.48	.018423	.015884	.013080	.010067	.006967	.004014	-2.48
-2.47	.018885	.016330	.013500	.010446	.007288	.004255	-2.47
-2.46	.019356	.016786	.013930	.010837	.007621	.004508	-2.46
-2.45	.019837	.017253	.014372	.011240	.007966	.004773	-2.45
-2.44	.020328	.017730	.014825	.011655	.008324	.005050	-2.44
-2.43	.020829	.018218	.015290	.012082	.008695	.005341	-2.43
-2.42	.021341	.018717	.015766	.012522	.009079	.005644	-2.42
-2.41	.021862	.019227	.016255	.012974	.009476	.005961	-2.41
-2.40	.022395	.019749	.016756	.013440	.009887	.006292	-2.40
-2.39	.022937	.020282	.017269	.013919	.010313	.006637	-2.39
-2.38	.023491	.020827	.017795	.014412	.010753	.006998	-2.38
-2.37	.024056	.021384	.018334	.014919	.011208	.007374	-2.37
-2.36	.024631	.021953	.018886	.015440	.011678	.007765	-2.36
-2.35	.025218	.022534	.019451	.015976	.012163	.008173	-2.35
-2.34	.025817	.023127	.020030	.016526	.012664	.008597	-2.34
-2.33	.026426	.023733	.020623	.017091	.013182	.009039	-2.33
-2.32	.027048	.024352	.021230	.017672	.013716	.009498	-2.32
-2.31	.027682	.024984	.021850	.018267	.014267	.009975	-2.31
-2.30	.028327	.025629	.022486	.018879	.014835	.010471	-2.30
-2.29	.028985	.026287	.023135	.019507	.015421	.010986	-2.29
-2.28	.029655	.026959	.023800	.020151	.016025	.011520	-2.28
-2.27	.030337	.027644	.024480	.020812	.016647	.012074	-2.27
-2.26	.031032	.028344	.025174	.021489	.017287	.012648	-2.26
-2.25	.031740	.029057	.025885	.022184	.017947	.013242	-2.25
-2.24	.032460	.029784	.026611	.022896	.018625	.013859	-2.24
-2.23	.033194	.030526	.027352	.023625	.019323	.014496	-2.23
-2.22	.033941	.031282	.028110	.024372	.020041	.015156	-2.22
-2.21	.034701	.032053	.028884	.025138	.020780	.015838	-2.21
-2.20	.035475	.032839	.029675	.025922	.021538	.016544	-2.20
-2.19	.036262	.033640	.030482	.026724	.022318	.017272	-2.19
-2.18	.037063	.034456	.031307	.027546	.023119	.018025	-2.18
-2.17	.037878	.035287	.032148	.028386	.023942	.018801	-2.17
-2.16	.038707	.036134	.033006	.029246	.024786	.019603	-2.16
-2.15	.039550	.036997	.033883	.030125	.025652	.020429	-2.15
-2.14	.040408	.037875	.034776	.031025	.026541	.021282	-2.14
-2.13	.041280	.038770	.035688	.031944	.027453	.022160	-2.13
-2.12	.042166	.039680	.036617	.032884	.028387	.023064	-2.12
-2.11	.043067	.040607	.037565	.033844	.029345	.023995	-2.11
-2.10	.043984	.041551	.038531	.034825	.030327	.024953	-2.10
-2.09	.044915	.042511	.039516	.035827	.031332	.025939	-2.09
-2.08	.045861	.043488	.040520	.036850	.032362	.026952	-2.08
-2.07	.046823	.044481	.041542	.037894	.033416	.027994	-2.07
-2.06	.047800	.045492	.042584	.038960	.034495	.029064	-2.06
-2.05	.048792	.046520	.043645	.040048	.035598	.030164	-2.05
-2.04	.049800	.047566	.044725	.041158	.036727	.031292	-2.04
-2.03	.050824	.048628	.045825	.042290	.037881	.032450	-2.03
-2.02	.051864	.049709	.046944	.043444	.039061	.033638	-2.02
-2.01	.052919	.050807	.048084	.044621	.040267	.034856	-2.01
-2.00	.053991	.051923	.049243	.045820	.041499	.036104	-2.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-2.49	.001470	.000201					-2.49
-2.48	.001601	.000237					-2.48
-2.47	.001742	.000277					-2.47
-2.46	.001893	.000324					-2.46
-2.45	.002055	.000376					-2.45
-2.44	.002227	.000435	.000001				-2.44
-2.43	.002411	.000501	.000001				-2.43
-2.42	.002606	.000574	.000002				-2.42
-2.41	.002814	.000656	.000004				-2.41
-2.40	.003035	.000747	.000007				-2.40
-2.39	.003270	.000848	.000012				-2.39
-2.38	.003518	.000959	.000018				-2.38
-2.37	.003781	.001081	.000027				-2.37
-2.36	.004060	.001215	.000038				-2.36
-2.35	.004355	.001362	.000054				-2.35
-2.34	.004665	.001523	.000074				-2.34
-2.33	.004993	.001697	.000099				-2.33
-2.32	.005339	.001887	.000130				-2.32
-2.31	.005703	.002093	.000169				-2.31
-2.30	.006086	.002316	.000216				-2.30
-2.29	.006489	.002557	.000272				-2.29
-2.28	.006912	.002816	.000338				-2.28
-2.27	.007355	.003095	.000417				-2.27
-2.26	.007820	.003395	.000508				-2.26
-2.25	.008307	.003716	.000614				-2.25
-2.24	.008817	.004060	.000736				-2.24
-2.23	.009351	.004427	.000875				-2.23
-2.22	.009908	.004818	.001032				-2.22
-2.21	.010490	.005235	.001211	.000001			-2.21
-2.20	.011097	.005678	.001411	.000001			-2.20
-2.19	.011730	.006149	.001634	.000003			-2.19
-2.18	.012390	.006648	.001883	.000008			-2.18
-2.17	.013077	.007176	.002159	.000019			-2.17
-2.16	.013792	.007734	.002463	.000037			-2.16
-2.15	.014535	.008324	.002797	.000064			-2.15
-2.14	.015307	.008945	.003162	.000105			-2.14
-2.13	.016108	.009600	.003561	.000161			-2.13
-2.12	.016940	.010288	.003995	.000236			-2.12
-2.11	.017803	.011012	.004466	.000334			-2.11
-2.10	.018696	.011771	.004975	.000457			-2.10
-2.09	.019622	.012566	.005524	.000609			-2.09
-2.08	.020580	.013400	.006114	.000793			-2.08
-2.07	.021570	.014271	.006747	.001014			-2.07
-2.06	.022595	.015182	.007425	.001274			-2.06
-2.05	.023653	.016133	.008148	.001577			-2.05
-2.04	.024745	.017124	.008919	.001926			-2.04
-2.03	.025872	.018157	.009739	.002325			-2.03
-2.02	.027035	.019231	.010608	.002777			-2.02
-2.01	.028233	.020349	.011529	.003284			-2.01
-2.00	.029467	.021510	.012503	.003851			-2.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-1.99	.055079	.053057	.050423	.047043	.042757	.037383	-1.99
-1.98	.056183	.054209	.051623	.048288	.044042	.038693	-1.98
-1.97	.057304	.055379	.052843	.049557	.045353	.040034	-1.97
-1.96	.058441	.056568	.054084	.050849	.046691	.041407	-1.96
-1.95	.059595	.057775	.055346	.052164	.048056	.042811	-1.95
-1.94	.060765	.059001	.056628	.053503	.049448	.044247	-1.94
-1.93	.061952	.060245	.057931	.054866	.050868	.045715	-1.93
-1.92	.063157	.061508	.059255	.056252	.052315	.047215	-1.92
-1.91	.064378	.062790	.060601	.057663	.053790	.048748	-1.91
-1.90	.065616	.064090	.061967	.059097	.055292	.050313	-1.90
-1.89	.066871	.065410	.063355	.060556	.056822	.051910	-1.89
-1.88	.068144	.066749	.064764	.062038	.058380	.053540	-1.88
-1.87	.069433	.068107	.066194	.063545	.059965	.055203	-1.87
-1.86	.070740	.069484	.067646	.065076	.061579	.056899	-1.86
-1.85	.072065	.070880	.069119	.066632	.063221	.058628	-1.85
-1.84	.073407	.072295	.070614	.068212	.064891	.060390	-1.84
-1.83	.074766	.073730	.072131	.069817	.066588	.062184	-1.83
-1.82	.076143	.075184	.073669	.071446	.068315	.064012	-1.82
-1.81	.077538	.076658	.075229	.073099	.070069	.065872	-1.81
-1.80	.078950	.078151	.076810	.074777	.071851	.067766	-1.80
-1.79	.080380	.079664	.078414	.076479	.073661	.069692	-1.79
-1.78	.081828	.081196	.080039	.078206	.075500	.071651	-1.78
-1.77	.083293	.082748	.081685	.079957	.077366	.073642	-1.77
-1.76	.084776	.084319	.083354	.081733	.079260	.075666	-1.76
-1.75	.086277	.085910	.085044	.083533	.081182	.077723	-1.75
-1.74	.087796	.087520	.086755	.085358	.083132	.079811	-1.74
-1.73	.089333	.089150	.088489	.087206	.085109	.081932	-1.73
-1.72	.090887	.090799	.090244	.089079	.087114	.084085	-1.72
-1.71	.092459	.092468	.092020	.090976	.089146	.086269	-1.71
-1.70	.094049	.094156	.093818	.092897	.091205	.088485	-1.70
-1.69	.095657	.095864	.095637	.094841	.093292	.090732	-1.69
-1.68	.097282	.097591	.097478	.096810	.095405	.093009	-1.68
-1.67	.098925	.099337	.099339	.098802	.097545	.095318	-1.67
-1.66	.100586	.101102	.101222	.100817	.099711	.097657	-1.66
-1.65	.102265	.102887	.103126	.102856	.101903	.100025	-1.65
-1.64	.103961	.104691	.105051	.104918	.104121	.102424	-1.64
-1.63	.105675	.106514	.106996	.107002	.106365	.104851	-1.63
-1.62	.107406	.108355	.108962	.109110	.108635	.107308	-1.62
-1.61	.109155	.110216	.110949	.111240	.110929	.109793	-1.61
-1.60	.110921	.112095	.112956	.113392	.113248	.112306	-1.60
-1.59	.112704	.113993	.114983	.115567	.115592	.114846	-1.59
-1.58	.114505	.115909	.117030	.117763	.117960	.117414	-1.58
-1.57	.116323	.117844	.119097	.119981	.120352	.120009	-1.57
-1.56	.118157	.119797	.121184	.122220	.122767	.122629	-1.56
-1.55	.120009	.121768	.123290	.124480	.125205	.125275	-1.55
-1.54	.121878	.123757	.125415	.126761	.127666	.127947	-1.54
-1.53	.123763	.125763	.127559	.129062	.130150	.130643	-1.53
-1.52	.125665	.127787	.129722	.131384	.132655	.133363	-1.52
-1.51	.127583	.129829	.131903	.133725	.135181	.136106	-1.51
-1.50	.129518	.131888	.134103	.136086	.137729	.138872	-1.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-1.99	.030738	.022715	.013530	.004479	.000003		-1.99
-1.98	.032045	.023965	.014612	.005171	.000020		-1.98
-1.97	.033390	.025260	.015750	.005931	.000068		-1.97
-1.96	.034772	.026601	.016945	.006761	.000158		-1.96
-1.95	.036192	.027988	.018198	.007662	.000302		-1.95
-1.94	.037650	.029422	.019510	.008638	.000511		-1.94
-1.93	.039146	.030903	.020881	.009690	.000795		-1.93
-1.92	.040681	.032432	.022313	.010820	.001163		-1.92
-1.91	.042255	.034008	.023805	.012030	.001624		-1.91
-1.90	.043868	.035633	.025359	.013320	.002183		-1.90
-1.89	.045520	.037306	.026975	.014694	.002848		-1.89
-1.88	.047211	.039027	.028654	.016152	.003625		-1.88
-1.87	.048941	.040797	.030395	.017694	.004517		-1.87
-1.86	.050711	.042617	.032200	.019322	.005530		-1.86
-1.85	.052521	.044485	.034068	.021037	.006667		-1.85
-1.84	.054370	.046403	.036000	.022839	.007931		-1.84
-1.83	.056259	.048370	.037995	.024729	.009325		-1.83
-1.82	.058187	.050385	.040054	.026706	.010850		-1.82
-1.81	.060155	.052450	.042177	.028771	.012508	.000041	-1.81
-1.80	.062162	.054564	.044364	.030925	.014300	.000251	-1.80
-1.79	.064209	.056727	.046614	.033166	.016226	.000677	-1.79
-1.78	.065295	.058938	.048927	.035494	.018287	.001339	-1.78
-1.77	.068420	.061198	.051302	.037910	.020482	.002249	-1.77
-1.76	.070584	.063506	.053740	.040412	.022811	.003411	-1.76
-1.75	.072787	.065862	.056241	.043000	.025272	.004829	-1.75
-1.74	.075028	.068265	.058802	.045673	.027865	.006502	-1.74
-1.73	.077307	.070715	.061424	.048430	.030587	.008427	-1.73
-1.72	.079624	.073212	.064107	.051270	.033438	.010600	-1.72
-1.71	.081979	.075755	.066848	.054192	.036414	.013018	-1.71
-1.70	.084371	.078344	.069649	.057194	.039514	.015674	-1.70
-1.69	.086800	.080978	.072507	.060276	.042736	.018562	-1.69
-1.68	.089266	.083656	.075422	.063435	.046076	.021675	-1.68
-1.67	.091767	.086379	.078393	.066671	.049531	.025005	-1.67
-1.66	.094304	.089144	.081419	.069981	.053099	.028545	-1.66
-1.65	.096877	.091953	.084499	.073364	.056776	.032287	-1.65
-1.64	.099484	.094803	.087632	.076819	.060560	.036221	-1.64
-1.63	.102125	.097694	.090817	.080342	.064446	.040341	-1.63
-1.62	.104800	.100626	.094052	.083933	.068431	.044638	-1.62
-1.61	.107507	.103597	.097336	.087589	.072512	.049102	-1.61
-1.60	.110248	.106606	.100668	.091308	.076685	.053726	-1.60
-1.59	.113020	.109653	.104046	.095088	.080947	.058501	-1.59
-1.58	.115823	.112737	.107470	.098927	.085292	.063419	-1.58
-1.57	.118656	.115857	.110938	.102824	.089718	.068472	-1.57
-1.56	.121520	.119012	.114448	.106774	.094221	.073650	-1.56
-1.55	.124412	.122201	.117999	.110777	.098796	.078946	-1.55
-1.54	.127333	.125422	.121590	.114830	.103441	.084352	-1.54
-1.53	.130282	.128676	.125218	.118930	.108150	.089859	-1.53
-1.52	.133257	.131960	.128883	.123076	.112920	.095461	-1.52
-1.51	.136258	.135273	.132582	.127264	.117747	.101149	-1.51
-1.50	.139285	.138615	.136315	.131493	.122626	.106916	-1.50

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-1.49	.131468	.133964	.136321	.138466	.140297	.141661	-1.49
-1.48	.133435	.136057	.138556	.140865	.142885	.144471	-1.48
-1.47	.135418	.138166	.140809	.143282	.145492	.147302	-1.47
-1.46	.137417	.140292	.143079	.145718	.148119	.150153	-1.46
-1.45	.139431	.142434	.145366	.148171	.150764	.153024	-1.45
-1.44	.141460	.144592	.147670	.150641	.153427	.155914	-1.44
-1.43	.143505	.146765	.149989	.153128	.156108	.158822	-1.43
-1.42	.145564	.148954	.152325	.155631	.158806	.161747	-1.42
-1.41	.147639	.151158	.154676	.158636	.161520	.164690	-1.41
-1.40	.149727	.153377	.157043	.160686	.164249	.167648	-1.40
-1.39	.151831	.155611	.159424	.163235	.166994	.170621	-1.39
-1.38	.153948	.157859	.161820	.165800	.169754	.173609	-1.38
-1.37	.156080	.160121	.164230	.168379	.172528	.176611	-1.37
-1.36	.158225	.162397	.166653	.170971	.175315	.179626	-1.36
-1.35	.160383	.164686	.169090	.173576	.178114	.182653	-1.35
-1.34	.162555	.166989	.171540	.176194	.180926	.185691	-1.34
-1.33	.164740	.169304	.174002	.178825	.183750	.188740	-1.33
-1.32	.166937	.171632	.176477	.181466	.186584	.191799	-1.32
-1.31	.169147	.173971	.178963	.184119	.189428	.194866	-1.31
-1.30	.171369	.176323	.181461	.186782	.192282	.197941	-1.30
-1.29	.173602	.178686	.183969	.189455	.195144	.201024	-1.29
-1.28	.175847	.181060	.186487	.192138	.198015	.204113	-1.28
-1.27	.178104	.183444	.189016	.194829	.200893	.207207	-1.27
-1.26	.180371	.185839	.191554	.197529	.203777	.210306	-1.26
-1.25	.182649	.188244	.194100	.200236	.206668	.213408	-1.25
-1.24	.184937	.190658	.196656	.202951	.209564	.216514	-1.24
-1.23	.187235	.193081	.199219	.205671	.212464	.219621	-1.23
-1.22	.189543	.195513	.201789	.208398	.215368	.222729	-1.22
-1.21	.191860	.197953	.204367	.211130	.218276	.225838	-1.21
-1.20	.194186	.200401	.206951	.213866	.221185	.228946	-1.20
-1.19	.196520	.202857	.209540	.216607	.224096	.232052	-1.19
-1.18	.198863	.205319	.212135	.219350	.227008	.235155	-1.18
-1.17	.201214	.207788	.214735	.222097	.229919	.238256	-1.17
-1.16	.203571	.210262	.217339	.224845	.232830	.241352	-1.16
-1.15	.205936	.212743	.219947	.227595	.235740	.244442	-1.15
-1.14	.208308	.215228	.222558	.230346	.238647	.247527	-1.14
-1.13	.210686	.217718	.225172	.233097	.241551	.250604	-1.13
-1.12	.213069	.220212	.227788	.235847	.244452	.253674	-1.12
-1.11	.215458	.222710	.230405	.238596	.247347	.256734	-1.11
-1.10	.217852	.225211	.233023	.241343	.250238	.259785	-1.10
-1.09	.220251	.227715	.235641	.244087	.253122	.262825	-1.09
-1.08	.222653	.230220	.238259	.246828	.255999	.265854	-1.08
-1.07	.225060	.232728	.240876	.249566	.258868	.268871	-1.07
-1.06	.227470	.235236	.243492	.252298	.261729	.271874	-1.06
-1.05	.229882	.237745	.246105	.255025	.264581	.274863	-1.05
-1.04	.232297	.240254	.248716	.257746	.267423	.277836	-1.04
-1.03	.234714	.242763	.251324	.260461	.270253	.280794	-1.03
-1.02	.237132	.245271	.253927	.263168	.273073	.283736	-1.02
-1.01	.239551	.247777	.256526	.265867	.275879	.286659	-1.01
-1.00	.241971	.250281	.259120	.268557	.278673	.289564	-1.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-1.49	.142336	.141985	.140079	.135760	.127555	.112755	-1.49
-1.48	.145411	.145380	.143873	.140062	.132530	.118658	-1.48
-1.47	.148508	.148801	.147695	.144398	.137545	.124618	-1.47
-1.46	.151627	.152245	.151544	.148764	.142598	.130629	-1.46
-1.45	.154767	.155712	.155418	.153158	.147684	.136684	-1.45
-1.44	.157927	.159201	.159314	.157578	.152800	.142777	-1.44
-1.43	.161106	.162709	.163233	.162021	.157942	.148900	-1.43
-1.42	.164303	.166236	.167170	.166485	.163106	.155049	-1.42
-1.41	.167517	.169781	.171126	.170967	.168290	.161218	-1.41
-1.40	.170748	.173342	.175098	.175465	.173488	.167399	-1.40
-1.39	.173994	.176918	.179085	.179977	.178698	.173589	-1.39
-1.38	.177254	.180508	.183084	.184499	.183916	.179781	1.38
-1.37	.180527	.184110	.187094	.189030	.189138	.185970	-1.37
-1.36	.183812	.187724	.191113	.193568	.194362	.192152	-1.36
-1.35	.187109	.191347	.195140	.198109	.199584	.198321	-1.35
-1.34	.190416	.194978	.199173	.202652	.204801	.204473	-1.34
-1.33	.193732	.198616	.203210	.207195	.210009	.210604	-1.33
-1.32	.197056	.202261	.207249	.211734	.215206	.216708	-1.32
-1.31	.200387	.205909	.211288	.216268	.220389	.222782	-1.31
-1.30	.203724	.209561	.215327	.220795	.225554	.228822	-1.30
-1.29	.207066	.213215	.219362	.225312	.230699	.234824	-1.29
-1.28	.210412	.216869	.223394	.229818	.235821	.240785	-1.28
-1.27	.213761	.220522	.227419	.234309	.240917	.246700	-1.27
-1.26	.217111	.224173	.231436	.238785	.245985	.252566	-1.26
-1.25	.220462	.227820	.235444	.243242	.251021	.258381	-1.25
-1.24	.223813	.231463	.239441	.247680	.256025	.264141	-1.24
-1.23	.227162	.235099	.243425	.252095	.260992	.269843	-1.23
-1.22	.230509	.238728	.247394	.256487	.265921	.275484	-1.22
-1.21	.233852	.242348	.251348	.260853	.270810	.281062	-1.21
-1.20	.237190	.245958	.255285	.265191	.275656	.286574	-1.20
-1.19	.240522	.249556	.259203	.269500	.280457	.292019	-1.19
-1.18	.243848	.253142	.263100	.273777	.285212	.297392	-1.18
-1.17	.247165	.256715	.266976	.278022	.289917	.302694	-1.17
-1.16	.250474	.260272	.270828	.282232	.294572	.307920	-1.16
-1.15	.253773	.263813	.274655	.286406	.299175	.313070	-1.15
-1.14	.257060	.267336	.278457	.290541	.303723	.318142	-1.14
-1.13	.260335	.270840	.282231	.294638	.308215	.323134	-1.13
-1.12	.263598	.274325	.285976	.298694	.312650	.328045	-1.12
-1.11	.266846	.277788	.289690	.302707	.317026	.332873	-1.11
-1.10	.270078	.281229	.293374	.306677	.321341	.337616	-1.10
-1.09	.273295	.284647	.297024	.310601	.325594	.342274	-1.09
-1.08	.276494	.288040	.300641	.314479	.329785	.346846	-1.08
-1.07	.279675	.291408	.304222	.318310	.333910	.351330	-1.07
-1.06	.282837	.294749	.307768	.322091	.337970	.355725	-1.06
-1.05	.285979	.298062	.311275	.325823	.341964	.360030	-1.05
-1.04	.289099	.301346	.314744	.329503	.345889	.364246	-1.04
-1.03	.292197	.304600	.318173	.333131	.349746	.368370	-1.03
-1.02	.295272	.307823	.321562	.336706	.353533	.372403	-1.02
-1.01	.298324	.311015	.324908	.340226	.357249	.376344	-1.01
-1.00	.301350	.314173	.328212	.343691	.360894	.380193	-1.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-.99	.244390	.252782	.261708	.271238	.281452	.292450	-.99
-.98	.246809	.255281	.264290	.273908	.284217	.295316	-.98
-.97	.249228	.257775	.266865	.276568	.286967	.298161	-.97
-.96	.251644	.260265	.269432	.279216	.289700	.300984	-.96
-.95	.254059	.262750	.271991	.281852	.292416	.303784	-.95
-.94	.256471	.265230	.274541	.284475	.295115	.306561	-.94
-.93	.258881	.267704	.277082	.287084	.297795	.309314	-.93
-.92	.261286	.270172	.279612	.289679	.300456	.312042	-.92
-.91	.263688	.272632	.282132	.292259	.303097	.314744	-.91
-.90	.266085	.275084	.284640	.294824	.305717	.317420	-.90
-.89	.268477	.277528	.287136	.297372	.308316	.320068	-.89
-.88	.270864	.279964	.289620	.299903	.310893	.322689	-.88
-.87	.273244	.282389	.292090	.302416	.313447	.325281	-.87
-.86	.275618	.284805	.294547	.304911	.315978	.327843	-.86
-.85	.277985	.287210	.296988	.307387	.318484	.330376	-.85
-.84	.280344	.289604	.299415	.309843	.320966	.332877	-.84
-.83	.282694	.291986	.301826	.312279	.323422	.335348	-.83
-.82	.285036	.294356	.304220	.314694	.325852	.337786	-.82
-.81	.287369	.296713	.306598	.317087	.328255	.340191	-.81
-.80	.289692	.299057	.308958	.319458	.330631	.342563	-.80
-.79	.292004	.301386	.311299	.321806	.332978	.344901	-.79
-.78	.294305	.303700	.313522	.324130	.335297	.347205	-.78
-.77	.296595	.306000	.315925	.326431	.337586	.349473	-.77
-.76	.298872	.308283	.318208	.328707	.339846	.351705	-.76
-.75	.301137	.310550	.320471	.330957	.342075	.353901	-.75
-.74	.303389	.312800	.322712	.333181	.344273	.356061	-.74
-.73	.305627	.315032	.324931	.335379	.346439	.358183	-.73
-.72	.307851	.317246	.327128	.337550	.348572	.360267	-.72
-.71	.310060	.319442	.329302	.339693	.350673	.362313	-.71
-.70	.312254	.321618	.331453	.341808	.352741	.364319	-.70
-.69	.314432	.323774	.333579	.343894	.354775	.366287	-.69
-.68	.316593	.325910	.335680	.345950	.356774	.368214	-.68
-.67	.318737	.328025	.337757	.347977	.358739	.370102	-.67
-.66	.320864	.330119	.339807	.349974	.360668	.371949	-.66
-.65	.322972	.332190	.341831	.351939	.362561	.373754	-.65
-.64	.325062	.334239	.343829	.353873	.364419	.375519	-.64
-.63	.327133	.336264	.345798	.355775	.366239	.377241	-.63
-.62	.329184	.338266	.347740	.357645	.368022	.378922	-.62
-.61	.331215	.340244	.349654	.359481	.369768	.380559	-.61
-.60	.333225	.342196	.351538	.361285	.371475	.382155	-.60
-.59	.335213	.344124	.353393	.363054	.373145	.383707	-.59
-.58	.337180	.346026	.355218	.364790	.374775	.385215	-.58
-.57	.339124	.347901	.357013	.366490	.376367	.386680	-.57
-.56	.341046	.349750	.358777	.368156	.377919	.388101	-.56
-.55	.342944	.351571	.360510	.369786	.379431	.389478	-.55
-.54	.344818	.353365	.362210	.371380	.380903	.390810	-.54
-.53	.346668	.355130	.363879	.372938	.382334	.392098	-.53
-.52	.348493	.356867	.365515	.374459	.383725	.393341	-.52
-.51	.350292	.358574	.367117	.375943	.385075	.394540	-.51
-.50	.352065	.360252	.368687	.377390	.386384	.395693	-.50

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-.99	.304350	.317298	.331472	.347099	.364467	.383948	-.99
-.98	.307324	.320388	.334688	.350451	.367967	.387610	-.98
-.97	.310270	.323442	.337857	.353745	.371393	.391179	-.97
-.96	.313188	.326460	.340981	.356979	.374745	.394654	-.96
-.95	.316076	.329440	.344057	.360155	.378023	.398035	-.95
-.94	.318934	.332382	.347085	.363270	.381226	.401323	-.94
-.93	.321762	.335285	.350064	.366325	.384353	.404516	-.93
-.92	.324557	.338148	.352993	.369318	.387404	.407616	-.92
-.91	.327320	.340970	.355872	.372249	.390379	.410622	-.91
-.90	.330050	.343751	.358700	.375117	.393277	.413535	-.90
-.89	.332745	.346490	.361477	.377922	.396099	.416354	-.89
-.88	.335406	.349186	.364201	.380664	.398844	.419081	-.88
-.87	.338031	.351839	.366872	.383342	.401512	.421715	-.87
-.86	.340620	.354447	.369490	.385956	.404103	.424257	-.86
-.85	.343173	.357011	.372054	.388505	.406616	.426706	-.85
-.84	.345687	.359529	.374563	.390989	.409053	.429065	-.84
-.83	.348164	.362001	.377018	.393408	.411412	.431332	-.83
-.82	.350601	.364427	.379417	.395762	.413695	.433509	-.82
-.81	.352999	.366805	.381760	.398049	.415900	.435596	-.81
-.80	.355357	.369136	.384048	.400271	.418028	.437594	-.80
-.79	.357675	.371419	.386278	.402427	.420080	.439504	-.79
-.78	.359951	.373654	.388453	.404517	.422056	.441325	-.78
-.77	.362186	.375839	.390569	.406541	.423955	.443059	-.77
-.76	.364378	.377975	.392629	.408499	.425778	.444707	-.76
-.75	.366528	.380062	.394631	.410390	.427526	.446269	-.75
-.74	.368635	.382098	.396575	.412215	.429199	.447745	-.74
-.73	.370698	.384084	.398462	.413975	.430796	.449138	-.73
-.72	.372716	.386019	.400290	.415668	.432319	.450447	-.72
-.71	.374691	.387903	.402060	.417295	.433769	.451674	-.71
-.70	.376620	.389735	.403771	.418857	.435144	.452819	-.70
-.69	.378505	.391516	.405424	.420352	.436447	.453883	-.69
-.68	.380343	.393245	.407019	.421783	.437676	.454867	-.68
-.67	.382136	.394922	.408555	.423148	.438834	.455773	-.67
-.66	.383882	.396547	.410033	.424449	.439920	.456600	-.66
-.65	.385582	.398119	.411452	.425684	.440935	.457350	-.65
-.64	.387235	.399639	.412813	.426855	.441880	.458024	-.64
-.63	.388841	.401106	.414116	.427962	.442755	.458623	-.63
-.62	.390399	.402520	.415360	.429006	.443561	.459147	-.62
-.61	.391910	.403882	.416546	.429986	.444298	.459598	-.61
-.60	.393373	.405191	.417674	.430902	.444968	.459977	-.60
-.59	.394789	.406446	.418744	.431757	.445570	.460285	-.59
-.58	.396156	.407649	.419757	.432548	.446105	.460523	-.58
-.57	.397474	.408799	.420712	.433278	.446575	.460691	-.57
-.56	.398745	.409896	.421610	.433947	.446980	.460792	-.56
-.55	.399966	.410940	.422451	.434555	.447320	.460825	-.55
-.54	.401140	.411932	.423235	.435102	.447597	.460792	-.54
-.53	.402264	.412871	.423962	.435590	.447811	.460694	-.53
-.52	.403340	.413757	.424634	.436018	.447963	.460532	-.52
-.51	.404367	.414590	.425249	.436387	.448054	.460307	-.51
-.50	.405345	.415372	.425809	.436698	.448084	.460021	-.50

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-.49	.353812	.361899	.370222	.378799	.387651	.396801	-.49
-.48	.355533	.363516	.371723	.380170	.388876	.397863	-.48
-.47	.357225	.365102	.373189	.381503	.390060	.398880	-.47
-.46	.358890	.366657	.374621	.382797	.391201	.399852	-.46
-.45	.360527	.368179	.376017	.384052	.392300	.400778	-.45
-.44	.362135	.369670	.377377	.385268	.393357	.401658	-.44
-.43	.363714	.371128	.378701	.386444	.394370	.402493	-.43
-.42	.365263	.372552	.379988	.387581	.395341	.403282	-.42
-.41	.366782	.373944	.381239	.388578	.396269	.404025	-.41
-.40	.368270	.375301	.382453	.389735	.397154	.404722	-.40
-.39	.369728	.376624	.383630	.390751	.397996	.405374	-.39
-.38	.371154	.377913	.384768	.391727	.398795	.405980	-.38
-.37	.372548	.379167	.385869	.392662	.399550	.406540	-.37
-.36	.373911	.380385	.386932	.393556	.400262	.407055	-.36
-.35	.375240	.381568	.387956	.394409	.400930	.407525	-.35
-.34	.376537	.382715	.388942	.395221	.401555	.407949	-.34
-.33	.377801	.383826	.389889	.395991	.402136	.408327	-.33
-.32	.379031	.384901	.390797	.396721	.402674	.408661	-.32
-.31	.380226	.385938	.391665	.397408	.403169	.408949	-.31
-.30	.381388	.386939	.392494	.398054	.403620	.409193	-.30
-.29	.382515	.387902	.393284	.398659	.404028	.409391	-.29
-.28	.383606	.388828	.394033	.399221	.404392	.409546	-.28
-.27	.384663	.389716	.394743	.399742	.404713	.409656	-.27
-.26	.385683	.390566	.395413	.400221	.404991	.409722	-.26
-.25	.386668	.391378	.396042	.400658	.405226	.409743	-.25
-.24	.387617	.392152	.396631	.401054	.405418	.409722	-.24
-.23	.388529	.392886	.397180	.401407	.405567	.409656	-.23
-.22	.389404	.393582	.397688	.401719	.405673	.409548	-.22
-.21	.390242	.394239	.398156	.401989	.405736	.409396	-.21
-.20	.391043	.394857	.398583	.402217	.405758	.409202	-.20
-.19	.391806	.395436	.398969	.402404	.405736	.408966	-.19
-.18	.392531	.395975	.399315	.402548	.405673	.408687	-.18
-.17	.393219	.396475	.399620	.402652	.405568	.408367	-.17
-.16	.393868	.396935	.399884	.402714	.405421	.408005	-.16
-.15	.394479	.397355	.400107	.402734	.405233	.407602	-.15
-.14	.395052	.397735	.400290	.402714	.405004	.407158	-.14
-.13	.395585	.398076	.400432	.402652	.404733	.406674	-.13
-.12	.396080	.398376	.400534	.402550	.404422	.406149	-.12
-.11	.396536	.398637	.400594	.402406	.404070	.405585	-.11
-.10	.396953	.398857	.400615	.402222	.403678	.404982	-.10
-.09	.397330	.399038	.400594	.401998	.403247	.404339	-.09
-.08	.397668	.399178	.400534	.401733	.402775	.403658	-.08
-.07	.397966	.399278	.400433	.401429	.402264	.402939	-.07
-.06	.398225	.399338	.400292	.401084	.401715	.402182	-.06
-.05	.398444	.399358	.400111	.400700	.401126	.401388	-.05
-.04	.398623	.399338	.399890	.400277	.400499	.400556	-.04
-.03	.398763	.399278	.399629	.399814	.399834	.399688	-.03
-.02	.398863	.399179	.399329	.399313	.399132	.398784	-.02
-.01	.398922	.399039	.398989	.398773	.398392	.397845	-.01
.00	.398942	.398859	.398610	.398195	.397615	.396870	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-.49	.406274	.416101	.426314	.436950	.448054	.459673	-.49
-.48	.407155	.416778	.426764	.437146	.447965	.459266	-.48
-.47	.407987	.417403	.427159	.437285	.447818	.458800	-.47
-.46	.408770	.417977	.427500	.437368	.447614	.458276	-.46
-.45	.409504	.418500	.427788	.437396	.447354	.457696	-.45
-.44	.410190	.418971	.428022	.437368	.447037	.457060	-.44
-.43	.410827	.419391	.428204	.437287	.446666	.456370	-.43
-.42	.411416	.419761	.428333	.437152	.446241	.455626	-.42
-.41	.411957	.420080	.428410	.436964	.445763	.454830	-.41
-.40	.412450	.420349	.428435	.436723	.445232	.453982	-.40
-.39	.412895	.420569	.428410	.436431	.444650	.453084	-.39
-.38	.413292	.420739	.428334	.436088	.444017	.452137	-.38
-.37	.413641	.420860	.428208	.435695	.443335	.451141	-.37
-.36	.413943	.420933	.428032	.435252	.442603	.450098	-.36
-.35	.414198	.420957	.427808	.434760	.441823	.449009	-.35
-.34	.414406	.420933	.427535	.434220	.440997	.447874	-.34
-.33	.414567	.420861	.427214	.433633	.440124	.446695	-.33
-.32	.414682	.420743	.426846	.432998	.439205	.445473	-.32
-.31	.414751	.420577	.426431	.432318	.438242	.444209	-.31
-.30	.414774	.420365	.425970	.431592	.437234	.442903	-.30
-.29	.414751	.420108	.425463	.430821	.436184	.441557	-.29
-.28	.414683	.419804	.424912	.430007	.435092	.440171	-.28
-.27	.414570	.419456	.424315	.429149	.433958	.438748	-.27
-.26	.414412	.419063	.423675	.428248	.432785	.437286	-.26
-.25	.414211	.418626	.422991	.427306	.431571	.435788	-.25
-.24	.413965	.418146	.422265	.426323	.430319	.434255	-.24
-.23	.413675	.417622	.421497	.425299	.429028	.432687	-.23
-.22	.413343	.417056	.420687	.424235	.427701	.431085	-.22
-.21	.412967	.416448	.419837	.423133	.426338	.429450	-.21
-.20	.412550	.415798	.418946	.421993	.424939	.427784	-.20
-.19	.412090	.415107	.418015	.420815	.423505	.426086	-.19
-.18	.411588	.414375	.417046	.419600	.422037	.424358	-.18
-.17	.411046	.413603	.416038	.418349	.420537	.422601	-.17
-.16	.410462	.412792	.414993	.417064	.419004	.420816	-.16
-.15	.409839	.411942	.413910	.415743	.417440	.419002	-.15
-.14	.409175	.411053	.412791	.414389	.415846	.417162	-.14
-.13	.408472	.410127	.411636	.413001	.414221	.415296	-.13
-.12	.407730	.409163	.410447	.411582	.412568	.413406	-.12
-.11	.406949	.408162	.409222	.410130	.410886	.411490	-.11
-.10	.406131	.407125	.407964	.408648	.409176	.409551	-.10
-.09	.405275	.406053	.406673	.407135	.407440	.407590	-.09
-.08	.404382	.404945	.405349	.405593	.405678	.405607	-.08
-.07	.403452	.403803	.403993	.404022	.403891	.403602	-.07
-.06	.402486	.402627	.402606	.402423	.402079	.401577	-.06
-.05	.401485	.401418	.401188	.400796	.400243	.399533	-.05
-.04	.400448	.400176	.399740	.399143	.398385	.397469	-.04
-.03	.399377	.398902	.398263	.397463	.396504	.395387	-.03
-.02	.398272	.397596	.396758	.395758	.394601	.393288	-.02
-.01	.397134	.396260	.395224	.394029	.392677	.391172	-.01
.00	.395962	.394892	.393663	.392276	.390734	.389040	.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	.398942	.398859	.398610	.398195	.397615	.396870	.00
.01	.398922	.398640	.398192	.397579	.396801	.395861	.01
.02	.398863	.398381	.397735	.396925	.395952	.394817	.02
.03	.398763	.398083	.397239	.396233	.395066	.393739	.03
.04	.398623	.397745	.396705	.395505	.394145	.392629	.04
.05	.398444	.397368	.396133	.394739	.393189	.391485	.05
.06	.398225	.396952	.395523	.393938	.392199	.390309	.06
.07	.397966	.396498	.394875	.393100	.391174	.389101	.07
.08	.397668	.396004	.394190	.392226	.390116	.387862	.08
.09	.397330	.395472	.393467	.391317	.389024	.386591	.09
.10	.396953	.394902	.392708	.390373	.387900	.385291	.10
.11	.396536	.394294	.391912	.389394	.386743	.383960	.11
.12	.396080	.393647	.391080	.388381	.385554	.382600	.12
.13	.395585	.392963	.390212	.387334	.384333	.381212	.13
.14	.395052	.392242	.389308	.386254	.383081	.379795	.14
.15	.394479	.391483	.388369	.385140	.381799	.378350	.15
.16	.393868	.390688	.387395	.383994	.380487	.376877	.16
.17	.393219	.389855	.386386	.382815	.379145	.375378	.17
.18	.392531	.388987	.385344	.381605	.377774	.373853	.18
.19	.391806	.388082	.384267	.380363	.376374	.372302	.19
.20	.391043	.387142	.383157	.379090	.374946	.370725	.20
.21	.390242	.386166	.382013	.377787	.373490	.369124	.21
.22	.389404	.385154	.380837	.376453	.372006	.367499	.22
.23	.388529	.384109	.379628	.375090	.370497	.365850	.23
.24	.387617	.383028	.378388	.373698	.368961	.364178	.24
.25	.386668	.381913	.377116	.372277	.367399	.362483	.25
.26	.385683	.380765	.375812	.370827	.365812	.360767	.26
.27	.384663	.379583	.374479	.369350	.364200	.359028	.27
.28	.383606	.378368	.373114	.367846	.362564	.357269	.28
.29	.382515	.377120	.371720	.366315	.360904	.355489	.29
.30	.381388	.375840	.370297	.364757	.359221	.353689	.30
.31	.380226	.374529	.368844	.363173	.357515	.351870	.31
.32	.379031	.373185	.367363	.361564	.355787	.350032	.32
.33	.377801	.371811	.365854	.359930	.354038	.348176	.33
.34	.376537	.370405	.364318	.358272	.352267	.346301	.34
.35	.375240	.368970	.362754	.356590	.350476	.344409	.35
.36	.373911	.367505	.361163	.354884	.348664	.342501	.36
.37	.372548	.366010	.359547	.353156	.346833	.340576	.37
.38	.371154	.364486	.357904	.351405	.344983	.338636	.38
.39	.369728	.362934	.356237	.349632	.343114	.336680	.39
.40	.368270	.361354	.354545	.347838	.341227	.334709	.40
.41	.366782	.359746	.352828	.346022	.339323	.332724	.41
.42	.365263	.358110	.351088	.344187	.337401	.330726	.42
.43	.363714	.356449	.349324	.342331	.335463	.328714	.43
.44	.362135	.354761	.347538	.340457	.333509	.326689	.44
.45	.360527	.353047	.345729	.338563	.331540	.324652	.45
.46	.358890	.351308	.343899	.336651	.329555	.322604	.46
.47	.357225	.349544	.342047	.334721	.327556	.320544	.47
.48	.355533	.347757	.340174	.332774	.325544	.318474	.48
.49	.353812	.345945	.338282	.330810	.323517	.316393	.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	.395962	.394892	.393663	.392276	.390734	.389040	.00
.01	.394758	.393496	.392075	.390499	.388770	.386893	.01
.02	.393522	.392069	.390461	.388699	.386788	.384731	.02
.03	.392255	.390615	.388821	.386878	.384788	.382555	.03
.04	.390957	.389132	.387157	.385035	.382770	.380366	.04
.05	.389628	.387621	.385468	.383171	.380735	.378164	.05
.06	.388270	.386084	.383756	.381288	.378684	.375950	.06
.07	.386882	.384521	.382021	.379385	.376618	.373724	.07
.08	.385466	.382932	.380263	.377463	.374536	.371487	.08
.09	.384021	.381318	.378483	.375523	.372440	.369241	.09
.10	.382549	.379679	.376683	.373565	.370331	.366984	.10
.11	.381050	.378016	.374862	.371591	.368208	.364719	.11
.12	.379525	.376330	.373021	.369600	.366073	.362445	.12
.13	.377973	.374621	.371160	.367593	.363926	.360163	.13
.14	.376396	.372891	.369281	.365572	.361768	.357874	.14
.15	.374795	.371138	.367384	.363536	.359598	.355577	.15
.16	.373169	.369364	.365469	.361485	.357419	.353275	.16
.17	.371519	.367571	.363537	.359422	.355230	.350967	.17
.18	.369846	.365757	.361588	.357345	.353032	.348653	.18
.19	.368151	.363923	.359624	.355257	.350826	.346335	.19
.20	.366433	.362072	.357645	.353156	.348611	.344013	.20
.21	.364694	.360201	.355651	.351045	.346389	.341687	.21
.22	.362934	.358314	.353642	.348923	.344160	.339357	.22
.23	.361153	.356409	.351620	.346791	.341924	.337025	.23
.24	.359353	.354488	.349585	.344649	.339683	.334690	.24
.25	.357533	.352550	.347538	.342498	.337436	.332353	.25
.26	.355694	.350598	.345478	.340339	.335184	.330015	.26
.27	.353838	.348630	.343407	.338172	.332927	.327636	.27
.28	.351963	.346648	.341325	.335997	.330667	.325336	.28
.29	.350071	.344652	.339233	.333816	.328403	.322996	.29
.30	.348163	.342643	.337131	.331627	.326135	.320657	.30
.31	.346239	.340621	.335019	.329433	.323865	.318317	.31
.32	.344299	.338587	.332898	.327233	.321593	.315979	.32
.33	.342343	.336541	.330769	.325028	.319319	.313642	.33
.34	.340374	.334484	.328632	.322818	.317043	.311307	.34
.35	.338390	.332416	.326488	.320604	.314766	.308974	.35
.36	.336393	.330338	.324337	.318387	.312489	.306644	.36
.37	.334383	.328251	.322179	.316166	.310212	.304316	.37
.38	.332360	.326154	.320015	.313942	.307934	.301991	.38
.39	.330325	.324048	.317845	.311716	.305657	.299670	.39
.40	.328279	.321934	.315671	.309487	.303381	.297352	.40
.41	.326222	.319812	.313491	.307257	.301107	.295039	.41
.42	.324154	.317683	.311308	.305026	.298834	.292730	.42
.43	.322077	.315547	.309120	.302793	.296563	.290426	.43
.44	.319989	.313405	.306930	.300561	.294294	.288127	.44
.45	.317893	.311256	.304736	.298328	.292028	.285833	.45
.46	.315788	.309102	.302540	.296095	.289765	.283544	.46
.47	.313675	.306943	.300341	.293863	.287505	.281262	.47
.48	.311555	.304780	.298141	.291632	.285248	.278985	.48
.49	.309427	.302612	.295939	.289402	.282996	.276715	.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.50	.352065	.344110	.336369	.328830	.321478	.314302	.50
.51	.350292	.342252	.334438	.326833	.319426	.312202	.51
.52	.348493	.340372	.332487	.324822	.317362	.310093	.52
.53	.346668	.338470	.330519	.322796	.315286	.307976	.53
.54	.344818	.336547	.328533	.320756	.313200	.305851	.54
.55	.342944	.334604	.326529	.318701	.311103	.303719	.55
.56	.341046	.332640	.324509	.316634	.308796	.301579	.56
.57	.339124	.330656	.322473	.314554	.306879	.299433	.57
.58	.337180	.328653	.320421	.312461	.304754	.297281	.58
.59	.335213	.326632	.318354	.310357	.302620	.295124	.59
.60	.333225	.324592	.316273	.308242	.300477	.292961	.60
.61	.331215	.322535	.314178	.306115	.298327	.290793	.61
.62	.329184	.320461	.312068	.303979	.296170	.288621	.62
.63	.327133	.318370	.309946	.301833	.294006	.286445	.63
.64	.325062	.316264	.307811	.299677	.291836	.284266	.64
.65	.322972	.314142	.305565	.297513	.289660	.282083	.65
.66	.320864	.312004	.303507	.295340	.287478	.279898	.66
.67	.318737	.309853	.301337	.293159	.285292	.277711	.67
.68	.316593	.307687	.299157	.290971	.283101	.275521	.68
.69	.314432	.305508	.296968	.288776	.280906	.273331	.69
.70	.312254	.303317	.294768	.286575	.278707	.271139	.70
.71	.310060	.301113	.292560	.284368	.276505	.268946	.71
.72	.307851	.298897	.290343	.282155	.274301	.266754	.72
.73	.305627	.296670	.288118	.279937	.272094	.264561	.73
.74	.303389	.294432	.285886	.277714	.269885	.262369	.74
.75	.301137	.292184	.283647	.275488	.267674	.260177	.75
.76	.298872	.289926	.281401	.273257	.265462	.257987	.76
.77	.296595	.287659	.279148	.271023	.263250	.255798	.77
.78	.294305	.285384	.276891	.268787	.261037	.253611	.78
.79	.292004	.283100	.274628	.266548	.258824	.251426	.79
.80	.289692	.280809	.272360	.264307	.256612	.249244	.80
.81	.287369	.278510	.270089	.262064	.254400	.247065	.81
.82	.285036	.276205	.267813	.259820	.252189	.244888	.82
.83	.282694	.273893	.265535	.257576	.249980	.242716	.83
.84	.280344	.271576	.263253	.255331	.247773	.240547	.84
.85	.277985	.269254	.260969	.253086	.245568	.238382	.85
.86	.275618	.266928	.258683	.250842	.243365	.236222	.86
.87	.273244	.264597	.256396	.248598	.241166	.234066	.87
.88	.270864	.262262	.254107	.246356	.238970	.231915	.88
.89	.268477	.259924	.251818	.244115	.236777	.229770	.89
.90	.266085	.257584	.249529	.241876	.234588	.227630	.90
.91	.263688	.255241	.247240	.239640	.232403	.225496	.91
.92	.261286	.252897	.244952	.237406	.230223	.223368	.92
.93	.258881	.250551	.242664	.235176	.228048	.221247	.93
.94	.256471	.248204	.240378	.232949	.225878	.219132	.94
.95	.254059	.245857	.238094	.230725	.223713	.217024	.95
.96	.251644	.243510	.235812	.228506	.221554	.214923	.96
.97	.249228	.241164	.233533	.226291	.219401	.212829	.97
.98	.246809	.238818	.231256	.224081	.217254	.210744	.98
.99	.244390	.236474	.228984	.221876	.215114	.208665	.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.50	.307293	.300440	.293736	.287174	.280748	.274451	.50
.51	.305152	.298265	.291533	.284948	.278504	.272195	.51
.52	.303005	.296087	.289330	.282725	.276265	.269945	.52
.53	.300853	.293907	.287126	.280504	.274031	.267703	.53
.54	.298696	.291724	.284923	.278286	.271803	.265468	.54
.55	.296535	.289539	.282721	.276071	.269580	.263241	.55
.56	.294369	.287354	.280520	.273860	.267363	.261022	.56
.57	.292200	.285167	.278321	.271653	.265152	.258811	.57
.58	.290028	.282979	.276124	.269449	.262947	.256608	.58
.59	.287852	.280792	.273928	.267251	.260749	.254414	.59
.60	.285675	.278604	.271736	.265057	.258558	.252228	.60
.61	.283495	.276417	.269546	.262868	.256373	.250052	.61
.62	.281313	.274231	.267359	.260685	.254196	.247885	.62
.63	.279131	.272046	.265175	.258506	.252027	.245727	.63
.64	.276947	.269862	.262996	.256334	.249865	.243578	.64
.65	.274763	.267680	.260820	.254168	.247711	.241439	.65
.66	.272578	.265501	.258649	.252008	.245565	.239310	.66
.67	.270394	.263324	.256482	.249855	.243428	.237190	.67
.68	.268211	.261150	.254320	.247708	.241299	.235081	.68
.69	.266028	.258978	.252164	.245568	.239178	.232981	.69
.70	.263847	.256811	.250012	.243436	.237066	.230892	.70
.71	.261667	.254647	.247867	.241310	.234964	.228813	.71
.72	.259489	.252487	.245727	.239193	.232870	.226745	.72
.73	.257314	.250331	.243593	.237083	.230786	.224688	.73
.74	.255141	.248180	.241466	.234981	.228711	.222641	.74
.75	.252971	.246034	.239345	.232888	.226646	.220605	.75
.76	.250805	.243893	.237231	.230802	.224590	.218581	.76
.77	.248642	.241757	.235125	.228726	.222544	.216567	.77
.78	.246482	.239627	.233025	.226658	.220509	.214564	.78
.79	.244327	.237503	.230933	.224599	.218483	.212573	.79
.80	.242177	.235385	.228849	.222548	.216468	.210593	.80
.81	.240031	.233274	.226772	.220508	.214463	.208624	.81
.82	.237890	.231169	.224704	.218476	.212469	.206667	.82
.83	.235754	.229071	.222644	.216454	.210485	.204722	.83
.84	.233624	.226980	.220592	.214442	.208512	.202788	.84
.85	.231500	.224896	.218549	.212439	.206550	.200866	.85
.86	.229381	.222820	.216515	.210447	.204598	.198955	.86
.87	.227269	.220751	.214489	.208464	.202658	.197057	.87
.88	.225164	.218691	.212473	.206492	.200729	.195170	.88
.89	.223066	.216638	.210466	.204529	.198811	.193295	.89
.90	.220974	.214594	.208469	.202578	.196904	.191433	.90
.91	.218890	.212559	.206481	.200637	.195009	.189582	.91
.92	.216813	.210532	.204503	.198706	.193125	.187743	.92
.93	.214744	.208514	.202534	.196786	.191252	.185917	.93
.94	.212683	.206505	.200576	.194877	.189391	.184103	.94
.95	.210630	.204505	.198628	.192979	.187541	.182300	.95
.96	.208585	.202515	.196690	.191092	.185704	.180510	.96
.97	.206549	.200534	.194762	.189216	.183878	.178733	.97
.98	.204521	.198562	.192845	.187351	.182063	.176967	.98
.99	.202503	.196601	.190939	.185498	.180261	.175214	.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
1.00	.241971	.234132	.226714	.219676	.212981	.206595	1.00
1.01	.239551	.231792	.224449	.217482	.210854	.204534	1.01
1.02	.237132	.229454	.222189	.215295	.208736	.202480	1.02
1.03	.234714	.227120	.219933	.213113	.206624	.200436	1.03
1.04	.232297	.224789	.217683	.210938	.204521	.198400	1.04
1.05	.229882	.222462	.215438	.208770	.202426	.196373	1.05
1.06	.227470	.220139	.213199	.206610	.200339	.194356	1.06
1.07	.225060	.217821	.210966	.204456	.198260	.192348	1.07
1.08	.222653	.215508	.208739	.202311	.196191	.190350	1.08
1.09	.220251	.213200	.206520	.200174	.194130	.188361	1.09
1.10	.217852	.210898	.204307	.198044	.192079	.186383	1.10
1.11	.215458	.208602	.202102	.195924	.190037	.184414	1.11
1.12	.213069	.206313	.199905	.193812	.188004	.182456	1.12
1.13	.210686	.204031	.197716	.191709	.185982	.180509	1.13
1.14	.208300	.201755	.195535	.189616	.183969	.178572	1.14
1.15	.205936	.199488	.193363	.187531	.181967	.176645	1.15
1.16	.203571	.197228	.191200	.185457	.179975	.174730	1.16
1.17	.201214	.194977	.189046	.183393	.177993	.172826	1.17
1.18	.198863	.192734	.186901	.181338	.176023	.170933	1.18
1.19	.196520	.190500	.184766	.179295	.174063	.169051	1.19
1.20	.194186	.188275	.182641	.177261	.172114	.167180	1.20
1.21	.191860	.186059	.180526	.175239	.170176	.165321	1.21
1.22	.189543	.183854	.178422	.173227	.168250	.163474	1.22
1.23	.187235	.181658	.176328	.171227	.166335	.161639	1.23
1.24	.184937	.179473	.174245	.169237	.164432	.159815	1.24
1.25	.182649	.177298	.172174	.167260	.162541	.158003	1.25
1.26	.180371	.175134	.170113	.165294	.160661	.156203	1.26
1.27	.178104	.172982	.168064	.163339	.158794	.154416	1.27
1.28	.175847	.170840	.166027	.161397	.156938	.152640	1.28
1.29	.173602	.168711	.164002	.159467	.155095	.150877	1.29
1.30	.171369	.166593	.161989	.157549	.153264	.149127	1.30
1.31	.169147	.164487	.159988	.155644	.151446	.147388	1.31
1.32	.166937	.162394	.158000	.153751	.149640	.145663	1.32
1.33	.164740	.160313	.156024	.151871	.147847	.143949	1.33
1.34	.162555	.158245	.154062	.150003	.146067	.142249	1.34
1.35	.160383	.156190	.152112	.148149	.144299	.140561	1.35
1.36	.158225	.154149	.150175	.146307	.142545	.138886	1.36
1.37	.156080	.152120	.148252	.144479	.140803	.137224	1.37
1.38	.153948	.150105	.146342	.142664	.139074	.135574	1.38
1.39	.151831	.148104	.144445	.140862	.137359	.133938	1.39
1.40	.149727	.146117	.142563	.139074	.135656	.132314	1.40
1.41	.147639	.144144	.140694	.137299	.133967	.130703	1.41
1.42	.145564	.142185	.138839	.135538	.132292	.129106	1.42
1.43	.143505	.140241	.136998	.133790	.130629	.127521	1.43
1.44	.141460	.138311	.135171	.132057	.128980	.125949	1.44
1.45	.139431	.136396	.133359	.130337	.127345	.124391	1.45
1.46	.137417	.134496	.131561	.128631	.125723	.122845	1.46
1.47	.135418	.132611	.129777	.126939	.124114	.121313	1.47
1.48	.133435	.130741	.128008	.125261	.122519	.119794	1.48
1.49	.131468	.128886	.126253	.123598	.120938	.118287	1.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
1.00	.200493	.194649	.189043	.183655	.178470	.173473	1.00
1.01	.198493	.192708	.187158	.181824	.176691	.171745	1.01
1.02	.196502	.190777	.185284	.180005	.174925	.170028	1.02
1.03	.194521	.188856	.183421	.178197	.173170	.168324	1.03
1.04	.192549	.186945	.181569	.176401	.171427	.166633	1.04
1.05	.190588	.185046	.179728	.174616	.169696	.164954	1.05
1.06	.188636	.183157	.177898	.172843	.167977	.163287	1.06
1.07	.186695	.181278	.176080	.171082	.166271	.161632	1.07
1.08	.184764	.179411	.174273	.169333	.164576	.159990	1.08
1.09	.182843	.177555	.172478	.167595	.162894	.158360	1.09
1.10	.180933	.175710	.170694	.165870	.161223	.156743	1.10
1.11	.179034	.173876	.168922	.164156	.159565	.155137	1.11
1.12	.177146	.172053	.167161	.162454	.157919	.153545	1.12
1.13	.175268	.170242	.165412	.160764	.156285	.151964	1.13
1.14	.173402	.168442	.163675	.159086	.154664	.150396	1.14
1.15	.171547	.166654	.161950	.157421	.153054	.148840	1.15
1.16	.169703	.164877	.160236	.155767	.151457	.147296	1.16
1.17	.167871	.163112	.158535	.154125	.149872	.145764	1.17
1.18	.166050	.161359	.156845	.152496	.148299	.144245	1.18
1.19	.164241	.159618	.155168	.150878	.146738	.142737	1.19
1.20	.162444	.157889	.153502	.149273	.145189	.141242	1.20
1.21	.160658	.156171	.151849	.147679	.143653	.139759	1.21
1.22	.158884	.154466	.150207	.146098	.142128	.138289	1.22
1.23	.157122	.152772	.148578	.144529	.140616	.136830	1.23
1.24	.155372	.151091	.146961	.142972	.139116	.135383	1.24
1.25	.153634	.149422	.145356	.141427	.137627	.133948	1.25
1.26	.151908	.147765	.143763	.139895	.136151	.132526	1.26
1.27	.150195	.146120	.142183	.138374	.134687	.131115	1.27
1.28	.148493	.144487	.140614	.136866	.133235	.129716	1.28
1.29	.146804	.142867	.139058	.135369	.131795	.128328	1.29
1.30	.145127	.141259	.137514	.133885	.130367	.126953	1.30
1.31	.143463	.139663	.135982	.132413	.128951	.125590	1.31
1.32	.141811	.138080	.134462	.130953	.127546	.124238	1.32
1.33	.140172	.136509	.132955	.129505	.126154	.122897	1.33
1.34	.138545	.134950	.131459	.128069	.124773	.121569	1.34
1.35	.136931	.133404	.129976	.126645	.123404	.120252	1.35
1.36	.135329	.131870	.128505	.125232	.122047	.118946	1.36
1.37	.133740	.130348	.127047	.123832	.120702	.117652	1.37
1.38	.132163	.128839	.125600	.122444	.119368	.116370	1.38
1.39	.130599	.127342	.124166	.121068	.118046	.115099	1.39
1.40	.129048	.125858	.122743	.119703	.116736	.113839	1.40
1.41	.127509	.124386	.121333	.118350	.115437	.112590	1.41
1.42	.125983	.122926	.119935	.117009	.114149	.111353	1.42
1.43	.124470	.121479	.118549	.115680	.112873	.110127	1.43
1.44	.122969	.120044	.117175	.114363	.111609	.108912	1.44
1.45	.121482	.118621	.115813	.113057	.110356	.107708	1.45
1.46	.120007	.117211	.114463	.111763	.109114	.106515	1.46
1.47	.118544	.115813	.113125	.110481	.107883	.105333	1.47
1.48	.117094	.114428	.111798	.109210	.106664	.104162	1.48
1.49	.115657	.113054	.110484	.107950	.105456	.103002	1.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
1.50	.129518	.127046	.124514	.121948	.119370	.116794	1.50
1.51	.127583	.125222	.122789	.120312	.117816	.115314	1.51
1.52	.125665	.123414	.121079	.118691	.116275	.113848	1.52
1.53	.123763	.121621	.119383	.117084	.114748	.112394	1.53
1.54	.121878	.119844	.117703	.115492	.113235	.110953	1.54
1.55	.120009	.118082	.116038	.113913	.111736	.109526	1.55
1.56	.118157	.116337	.114388	.112349	.110250	.108112	1.56
1.57	.116323	.114607	.112753	.110799	.108778	.106710	1.57
1.58	.114505	.112894	.111133	.109264	.107319	.105322	1.58
1.59	.112704	.111196	.109528	.107743	.105874	.103947	1.59
1.60	.110921	.109515	.107939	.106237	.104443	.102585	1.60
1.61	.109155	.107850	.106365	.104745	.103026	.101236	1.61
1.62	.107406	.106201	.104806	.103267	.101622	.099900	1.62
1.63	.105675	.104569	.103262	.101804	.100232	.098577	1.63
1.64	.103961	.102953	.101733	.100355	.098856	.097266	1.64
1.65	.102265	.101353	.100220	.098920	.097493	.095969	1.65
1.66	.100586	.099769	.098723	.097500	.096143	.094685	1.66
1.67	.098925	.098202	.097240	.096094	.094808	.093413	1.67
1.68	.097282	.096652	.095773	.094703	.093485	.092154	1.68
1.69	.095657	.095117	.094321	.093326	.092177	.090908	1.69
1.70	.094049	.093599	.092884	.091963	.090881	.089674	1.70
1.71	.092459	.092098	.091463	.090615	.089599	.088454	1.71
1.72	.090887	.090613	.090057	.089280	.088331	.087245	1.72
1.73	.089333	.089144	.088666	.087960	.087076	.086050	1.73
1.74	.087796	.087692	.087290	.086654	.085834	.084867	1.74
1.75	.086277	.086256	.085930	.085363	.084605	.083696	1.75
1.76	.084776	.084837	.084584	.084085	.083390	.082538	1.76
1.77	.083293	.083433	.083254	.082822	.082187	.081392	1.77
1.78	.081828	.082046	.081939	.081572	.080998	.080258	1.78
1.79	.080380	.080676	.080639	.080336	.079822	.079137	1.79
1.80	.078950	.079321	.079354	.079115	.078659	.078028	1.80
1.81	.077538	.077983	.078083	.077907	.077508	.076930	1.81
1.82	.076143	.076661	.076828	.076713	.076371	.075845	1.82
1.83	.074766	.075355	.075587	.075533	.075246	.074772	1.83
1.84	.073407	.074065	.074362	.074366	.074134	.073711	1.84
1.85	.072065	.072791	.073150	.073213	.073035	.072662	1.85
1.86	.070740	.071533	.071954	.072074	.071949	.071625	1.86
1.87	.069433	.070291	.070772	.070948	.070875	.070599	1.87
1.88	.068144	.069065	.069605	.069835	.069813	.069585	1.88
1.89	.066871	.067855	.068452	.068736	.068764	.068582	1.89
1.90	.065616	.066660	.067314	.067650	.067727	.067591	1.90
1.91	.064378	.065480	.066189	.066577	.066703	.066612	1.91
1.92	.063157	.064317	.065079	.065518	.065690	.065644	1.92
1.93	.061952	.063168	.063984	.064471	.064690	.064687	1.93
1.94	.060765	.062035	.062902	.063438	.063702	.063741	1.94
1.95	.059595	.060917	.061834	.062417	.062726	.062807	1.95
1.96	.058441	.059815	.060780	.061410	.061762	.061883	1.96
1.97	.057304	.058727	.059740	.060415	.060809	.060971	1.97
1.98	.056183	.057655	.058714	.059432	.059868	.060069	1.98
1.99	.055079	.056598	.057701	.058463	.058939	.059179	1.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
1.50	.114233	.111693	.109182	.106702	.104259	.101852	1.50
1.51	.112821	.110344	.107891	.105466	.103073	.100714	1.51
1.52	.111422	.109008	.106612	.104241	.101898	.099586	1.52
1.53	.110036	.107683	.105345	.103027	.100733	.098468	1.53
1.54	.108662	.106371	.104090	.101824	.099580	.097361	1.54
1.55	.107300	.105071	.102846	.100633	.098438	.096265	1.55
1.56	.105952	.103782	.101614	.099453	.097307	.095179	1.56
1.57	.104616	.102506	.100393	.098284	.096186	.094103	1.57
1.58	.103292	.101242	.099184	.097126	.095076	.093037	1.58
1.59	.101981	.099990	.097986	.095979	.093976	.091982	1.59
1.60	.100682	.098750	.096800	.094844	.092887	.090937	1.60
1.61	.099396	.097521	.095625	.093719	.091809	.089902	1.61
1.62	.098122	.096305	.094462	.092605	.090741	.088877	1.62
1.63	.096860	.095100	.093310	.091501	.089683	.087862	1.63
1.64	.095611	.093907	.092169	.090409	.088636	.086857	1.64
1.65	.094374	.092725	.091039	.089327	.087599	.085862	1.65
1.66	.093149	.091555	.089920	.088256	.086572	.084877	1.66
1.67	.091936	.090397	.088813	.087195	.085555	.083901	1.67
1.68	.090735	.089251	.087716	.086145	.084548	.082935	1.68
1.69	.089547	.088115	.086630	.085105	.083552	.081979	1.69
1.70	.088371	.086992	.085555	.084076	.082565	.081032	1.70
1.71	.087206	.085879	.084491	.083057	.081588	.080094	1.71
1.72	.086053	.084778	.083438	.082048	.080621	.079166	1.72
1.73	.084913	.083688	.082395	.081050	.079663	.078247	1.73
1.74	.083784	.082610	.081363	.080061	.078716	.077338	1.74
1.75	.082667	.081542	.080342	.079083	.077777	.076437	1.75
1.76	.081561	.080486	.079331	.078114	.076849	.075546	1.76
1.77	.080468	.079440	.078331	.077156	.075930	.074664	1.77
1.78	.079385	.078406	.077341	.076208	.075020	.073790	1.78
1.79	.078315	.077382	.076361	.075269	.074120	.072926	1.79
1.80	.077256	.076370	.075392	.074340	.073229	.072071	1.80
1.81	.076208	.075368	.074432	.073421	.072347	.071224	1.81
1.82	.075171	.074376	.073483	.072511	.071474	.070386	1.82
1.83	.074146	.073396	.072544	.071611	.070611	.069557	1.83
1.84	.073132	.072426	.071615	.070720	.069756	.068736	1.84
1.85	.072129	.071466	.070696	.069839	.068910	.067924	1.85
1.86	.071138	.070517	.069787	.068967	.068073	.067120	1.86
1.87	.070157	.069578	.068887	.068104	.067245	.066324	1.87
1.88	.069187	.068650	.067998	.067251	.066426	.065537	1.88
1.89	.068228	.067732	.067118	.066407	.065616	.064758	1.89
1.90	.067280	.066823	.066247	.065571	.064814	.063988	1.90
1.91	.066342	.065926	.065386	.064745	.064020	.063225	1.91
1.92	.065416	.065038	.064535	.063928	.063235	.062471	1.92
1.93	.064499	.064160	.063692	.063120	.062459	.061724	1.93
1.94	.063594	.063291	.062860	.062320	.061690	.060986	1.94
1.95	.062699	.062433	.062036	.061529	.060930	.060255	1.95
1.96	.061814	.061584	.061222	.060747	.060179	.059532	1.96
1.97	.060939	.060745	.060416	.059973	.059435	.058817	1.97
1.98	.060075	.059916	.059620	.059208	.058699	.058109	1.98
1.99	.059221	.059096	.058833	.058452	.057972	.057409	1.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
2.00	.053991	.055555	.056702	.057505	.058022	.058299	2.00
2.01	.052919	.054527	.055717	.056560	.057116	.057430	2.01
2.02	.051864	.053513	.054745	.055628	.056221	.056571	2.02
2.03	.050824	.052515	.053786	.054708	.055338	.055723	2.03
2.04	.049800	.051530	.052840	.053799	.054466	.054886	2.04
2.05	.048792	.050560	.051907	.052903	.053605	.054059	2.05
2.06	.047800	.049604	.050988	.052019	.052755	.053242	2.06
2.07	.046823	.048662	.050081	.051147	.051916	.052435	2.07
2.08	.045861	.047734	.049187	.050286	.051088	.051638	2.08
2.09	.044915	.046820	.048306	.049437	.050271	.050852	2.09
2.10	.043984	.045920	.047437	.048600	.049464	.050075	2.10
2.11	.043067	.045033	.046581	.047774	.048668	.049308	2.11
2.12	.042166	.044160	.045737	.046960	.047883	.048552	2.12
2.13	.041280	.043300	.044905	.046157	.047108	.047804	2.13
2.14	.040408	.042454	.044086	.045365	.046343	.047067	2.14
2.15	.039550	.041620	.043278	.044584	.045589	.046339	2.15
2.16	.038707	.040800	.042483	.043814	.044845	.045620	2.16
2.17	.037878	.039993	.041699	.043055	.044111	.044911	2.17
2.18	.037063	.039198	.040927	.042307	.043387	.044211	2.18
2.19	.036262	.038416	.040167	.041569	.042673	.043520	2.19
2.20	.035475	.037647	.039418	.040842	.041968	.042838	2.20
2.21	.034701	.036890	.038680	.040126	.041274	.042166	2.21
2.22	.033941	.036145	.037954	.039420	.040589	.041502	2.22
2.23	.033194	.035413	.037239	.038724	.039913	.040847	2.23
2.24	.032460	.034693	.036535	.038038	.039247	.040201	2.24
2.25	.031740	.033984	.035842	.037363	.038591	.039564	2.25
2.26	.031032	.033287	.035160	.036698	.037943	.038935	2.26
2.27	.030337	.032602	.034489	.036042	.037305	.038315	2.27
2.28	.029655	.031929	.033828	.035396	.036676	.037703	2.28
2.29	.028985	.031267	.033177	.034760	.036055	.037100	2.29
2.30	.028327	.030616	.032537	.034134	.035444	.036565	2.30
2.31	.027682	.029976	.031908	.033517	.034842	.035918	2.31
2.32	.027048	.029347	.031288	.032909	.034248	.035339	2.32
2.33	.026426	.028730	.030678	.032310	.033663	.034768	2.33
2.34	.025817	.028123	.030079	.031721	.033086	.034205	2.34
2.35	.025218	.027526	.029489	.031141	.032518	.033650	2.35
2.36	.024631	.026940	.028909	.030570	.031958	.033103	2.36
2.37	.024056	.026365	.028338	.030008	.031406	.032563	2.37
2.38	.023491	.025799	.027777	.029454	.030862	.032031	2.38
2.39	.022937	.025244	.027225	.028909	.030327	.031507	2.39
2.40	.022395	.024699	.026683	.028373	.029800	.030990	2.40
2.41	.021862	.024163	.026149	.027845	.029280	.030480	2.41
2.42	.021341	.023638	.025625	.027326	.028768	.029978	2.42
2.43	.020829	.023122	.025109	.026815	.028264	.029483	2.43
2.44	.020328	.022615	.024603	.026312	.027768	.028995	2.44
2.45	.019837	.022118	.024105	.025817	.027279	.028514	2.45
2.46	.019356	.021630	.023615	.025330	.026797	.028040	2.46
2.47	.018885	.021151	.023134	.024851	.026323	.027573	2.47
2.48	.018423	.020681	.022662	.024380	.025856	.027113	2.48
2.49	.017971	.020220	.022197	.023916	.025397	.026659	2.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
2.00	.058376	.058286	.058054	.057703	.057252	.056717	2.00
2.01	.057542	.057485	.057284	.056963	.056541	.056032	2.01
2.02	.056718	.056693	.056523	.056232	.055837	.055354	2.02
2.03	.055903	.055910	.055771	.055508	.055140	.054684	2.03
2.04	.055099	.055137	.055028	.054793	.054452	.054021	2.04
2.05	.054304	.054373	.054293	.054086	.053771	.053365	2.05
2.06	.053518	.053617	.053566	.053386	.053098	.052717	2.06
2.07	.052743	.052871	.052848	.052695	.052432	.052075	2.07
2.08	.051976	.052134	.052138	.052011	.051773	.051441	2.08
2.09	.051219	.051405	.051436	.051335	.051122	.050813	2.09
2.10	.050471	.050685	.050743	.050667	.050478	.050192	2.10
2.11	.049733	.049973	.050057	.050007	.049842	.049579	2.11
2.12	.049003	.049271	.049380	.049354	.049212	.048971	2.12
2.13	.048283	.048576	.048710	.048709	.048590	.048371	2.13
2.14	.047572	.047890	.048049	.048071	.047975	.047777	2.14
2.15	.046869	.047212	.047395	.047440	.047366	.047190	2.15
2.16	.046176	.046543	.046749	.046817	.046765	.046610	2.16
2.17	.045491	.045882	.046111	.046201	.046170	.046036	2.17
2.18	.044814	.045229	.045480	.045592	.045582	.045468	2.18
2.19	.044147	.044584	.044857	.044990	.045001	.044907	2.19
2.20	.043488	.043947	.044242	.044395	.044427	.044352	2.20
2.21	.042837	.043317	.043634	.043808	.043859	.043803	2.21
2.22	.042194	.042696	.043033	.043227	.043297	.043260	2.22
2.23	.041560	.042082	.042439	.042653	.042742	.042724	2.23
2.24	.040934	.041277	.041853	.042086	.042194	.042194	2.24
2.25	.040317	.040878	.041274	.041525	.041652	.041669	2.25
2.26	.039707	.040287	.040702	.040972	.041116	.041151	2.26
2.27	.039105	.039704	.040137	.040424	.040586	.040638	2.27
2.28	.038511	.039128	.039578	.039884	.040063	.040131	2.28
2.29	.037925	.038559	.039027	.039349	.039545	.039630	2.29
2.30	.037347	.037998	.038482	.038822	.039034	.039135	2.30
2.31	.036776	.037443	.037945	.038300	.038529	.038645	2.31
2.32	.036213	.036896	.037413	.037785	.038029	.038161	2.32
2.33	.035657	.036356	.036889	.037276	.037536	.037683	2.33
2.34	.035109	.035823	.036371	.036773	.037048	.037210	2.34
2.35	.034568	.035297	.035859	.036277	.036566	.036743	2.35
2.36	.034034	.034777	.035354	.035786	.036089	.036280	2.36
2.37	.033508	.034264	.034856	.035301	.035619	.035824	2.37
2.38	.032988	.033758	.034363	.034822	.035154	.035372	2.38
2.39	.032476	.033259	.033877	.034350	.034694	.034926	2.39
2.40	.031971	.032766	.033397	.033882	.034240	.034485	2.40
2.41	.031472	.032279	.032923	.033421	.033791	.034049	2.41
2.42	.030981	.031799	.032454	.032965	.033348	.033618	2.42
2.43	.030496	.031325	.031992	.032515	.032910	.033192	2.43
2.44	.030018	.030858	.031536	.032071	.032478	.032771	2.44
2.45	.029546	.030397	.031086	.031632	.032050	.032355	2.45
2.46	.029081	.029942	.030641	.031198	.031628	.031944	2.46
2.47	.028622	.029492	.030202	.030770	.031210	.031538	2.47
2.48	.028170	.029049	.029769	.030347	.030798	.031137	2.48
2.49	.027724	.028612	.029342	.029929	.030391	.030740	2.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
2.50	.017528	.019768	.021741	.023461	.024944	.026212	2.50
2.51	.017095	.019324	.021293	.023012	.024499	.025772	2.51
2.52	.016670	.018888	.020852	.022571	.024060	.025338	2.52
2.53	.016254	.018461	.020420	.022137	.023629	.024911	2.53
2.54	.015848	.018043	.019995	.021711	.023204	.024490	2.54
2.55	.015449	.017632	.019578	.021292	.022785	.024075	2.55
2.56	.015060	.017230	.019168	.020879	.022374	.023666	2.56
2.57	.014678	.016835	.018766	.020474	.021968	.023264	2.57
2.58	.014305	.016448	.018371	.020075	.021570	.022867	2.58
2.59	.013940	.016068	.017983	.019684	.021177	.022477	2.59
2.60	.013583	.015697	.017603	.019298	.020791	.022093	2.60
2.61	.013234	.015332	.017229	.018920	.020411	.021714	2.61
2.62	.012892	.014975	.016862	.018548	.020038	.021341	2.62
2.63	.012558	.014625	.016502	.018182	.019670	.020974	2.63
2.64	.012232	.014282	.016149	.017823	.019308	.020612	2.64
2.65	.011912	.013946	.015802	.017470	.018952	.020256	2.65
2.66	.011600	.013617	.015462	.017123	.018602	.019905	2.66
2.67	.011295	.013295	.015128	.016782	.018257	.019560	2.67
2.68	.010997	.012979	.014800	.016447	.017919	.019220	2.68
2.69	.010706	.012670	.014479	.016118	.017585	.018886	2.69
2.70	.010421	.012367	.014163	.015795	.017258	.018556	2.70
2.71	.010143	.012071	.013854	.015477	.016935	.018232	2.71
2.72	.009871	.011780	.013551	.015165	.016619	.017913	2.72
2.73	.009606	.011496	.013253	.014859	.016307	.017599	2.73
2.74	.009347	.011218	.012961	.014558	.016000	.017289	2.74
2.75	.009094	.010945	.012675	.014262	.015699	.016985	2.75
2.76	.008847	.010679	.012395	.013972	.015403	.016685	2.76
2.77	.008605	.010418	.012120	.013687	.015112	.016391	2.77
2.78	.008370	.010163	.011850	.013408	.014825	.016100	2.78
2.79	.008140	.009913	.011586	.013133	.014544	.015815	2.79
2.80	.007915	.009669	.011326	.012863	.014267	.015534	2.80
2.81	.007697	.009430	.011072	.012598	.013995	.015258	2.81
2.82	.007483	.009196	.010823	.012338	.013728	.014986	2.82
2.83	.007274	.008967	.010579	.012083	.013465	.014718	2.83
2.84	.007071	.008743	.010340	.011833	.013206	.014455	2.84
2.85	.006873	.008524	.010106	.011587	.012953	.014195	2.85
2.86	.006679	.008310	.009876	.011346	.012703	.013941	2.86
2.87	.006491	.008101	.009651	.011109	.012458	.013690	2.87
2.88	.006307	.007897	.009431	.010877	.012217	.013443	2.88
2.89	.006127	.007697	.009215	.010649	.011981	.013201	2.89
2.90	.005953	.007501	.009003	.010425	.011748	.012962	2.90
2.91	.005782	.007310	.008796	.010206	.011519	.012727	2.91
2.92	.005616	.007123	.008593	.009990	.011295	.012496	2.92
2.93	.005454	.006941	.008394	.009779	.011075	.012269	2.93
2.94	.005296	.006763	.008199	.009572	.010858	.012046	2.94
2.95	.005143	.006588	.008009	.009368	.010645	.011826	2.95
2.96	.004993	.006418	.007822	.009169	.010436	.011610	2.96
2.97	.004847	.006252	.007639	.008974	.010231	.011398	2.97
2.98	.004705	.006089	.007460	.008782	.010029	.011189	2.98
2.99	.004567	.005930	.007285	.008594	.009831	.010984	2.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
2.50	.027285	.028181	.028920	.029517	.029989	.030348	2.50
2.51	.026851	.027756	.028503	.029110	.029591	.029960	2.51
2.52	.026424	.027336	.028092	.028708	.029199	.029578	2.52
2.53	.026002	.026922	.027686	.028311	.028811	.029199	2.53
2.54	.025587	.026513	.027285	.027919	.028428	.028825	2.54
2.55	.025178	.026110	.026890	.027532	.028049	.028456	2.55
2.56	.024774	.025713	.026500	.027149	.027676	.028091	2.56
2.57	.024376	.025321	.026115	.026772	.027306	.027730	2.57
2.58	.023984	.024935	.025735	.026400	.026942	.027374	2.58
2.59	.023597	.024553	.025360	.026032	.026582	.027022	2.59
2.60	.023216	.024177	.024990	.025669	.026226	.026674	2.60
2.61	.022841	.023806	.024625	.025310	.025875	.026331	2.61
2.62	.022471	.023441	.024265	.024956	.025528	.025991	2.62
2.63	.022106	.023080	.023909	.024607	.025185	.025655	2.63
2.64	.021747	.022724	.023559	.024262	.024847	.025324	2.64
2.65	.021392	.022374	.023213	.023922	.024513	.024996	2.65
2.66	.021043	.022028	.022871	.023586	.024183	.024673	2.66
2.67	.020700	.021687	.022535	.023254	.023857	.024353	2.67
2.68	.020361	.021351	.022202	.022927	.023535	.024038	2.68
2.69	.020027	.021019	.021874	.022603	.023217	.023726	2.69
2.70	.019698	.020693	.021551	.022284	.022903	.023418	2.70
2.71	.019374	.020370	.021232	.021970	.022593	.023113	2.71
2.72	.019055	.020053	.020917	.021659	.022287	.022812	2.72
2.73	.018740	.019740	.020607	.021352	.021985	.022515	2.73
2.74	.018430	.019431	.020301	.021049	.021687	.022222	2.74
2.75	.018125	.019127	.020000	.020751	.021392	.021932	2.75
2.76	.017824	.018827	.019701	.020456	.021101	.021646	2.76
2.77	.017528	.018531	.019407	.020165	.020814	.021363	2.77
2.78	.017237	.018240	.019117	.019878	.020530	.021084	2.78
2.79	.016949	.017952	.018831	.019594	.020250	.020808	2.79
2.80	.016666	.017669	.018549	.019315	.019974	.020535	2.80
2.81	.016388	.017390	.018271	.019039	.019701	.020266	2.81
2.82	.016113	.017115	.017997	.018767	.019432	.020000	2.82
2.83	.015843	.016844	.017727	.018498	.019166	.019738	2.83
2.84	.015577	.016577	.017460	.018233	.018903	.019478	2.84
2.85	.015315	.016314	.017197	.017971	.018644	.019222	2.85
2.86	.015057	.016054	.016937	.017713	.018388	.018969	2.86
2.87	.014803	.015798	.016682	.017459	.018135	.018719	2.87
2.88	.014552	.015546	.016430	.017207	.017886	.018473	2.88
2.89	.014306	.015298	.016181	.016959	.017640	.018229	2.89
2.90	.014064	.015054	.015936	.016715	.017397	.017988	2.90
2.91	.013825	.014813	.015694	.016474	.017157	.017751	2.91
2.92	.013590	.014575	.015456	.016235	.016920	.017516	2.92
2.93	.013358	.014341	.015221	.016001	.016687	.017284	2.93
2.94	.013130	.014111	.014989	.015769	.016456	.017055	2.94
2.95	.012906	.013884	.014760	.015540	.016228	.016829	2.95
2.96	.012685	.013660	.014535	.015315	.016003	.016606	2.96
2.97	.012468	.013439	.014313	.015092	.015782	.016386	2.97
2.98	.012254	.013222	.014094	.014873	.015563	.016168	2.98
2.99	.012044	.013008	.013879	.014657	.015347	.015953	2.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
3.00	.004432	.005775	.007114	.008409	.009637	.010782	3.00
3.01	.004301	.005624	.006946	.008228	.009446	.010583	3.01
3.02	.004173	.005476	.006782	.008051	.009258	.010388	3.02
3.03	.004049	.005332	.006621	.007877	.009074	.010196	3.03
3.04	.003928	.005191	.006464	.007706	.008893	.010007	3.04
3.05	.003810	.005053	.006310	.007539	.008716	.009822	3.05
3.06	.003695	.004919	.006159	.007375	.008541	.009640	3.06
3.07	.003584	.004788	.006012	.007215	.008370	.009460	3.07
3.08	.003475	.004660	.005867	.007057	.008202	.009284	3.08
3.09	.003370	.004535	.005726	.006903	.008037	.009111	3.09
3.10	.003267	.004413	.005588	.006751	.007875	.008941	3.10
3.11	.003167	.004295	.005453	.006603	.007716	.008773	3.11
3.12	.003070	.004178	.005321	.006458	.007560	.008609	3.12
3.13	.002975	.004065	.005192	.006315	.007407	.008447	3.13
3.14	.002884	.003955	.005066	.006176	.007257	.008289	3.14
3.15	.002794	.003847	.004942	.006039	.007109	.008133	3.15
3.16	.002707	.003742	.004821	.005905	.006965	.007979	3.16
3.17	.002623	.003640	.004703	.005774	.006823	.007829	3.17
3.18	.002541	.003540	.004588	.005645	.006683	.007680	3.18
3.19	.002462	.003442	.004475	.005519	.006546	.007535	3.19
3.20	.002384	.003347	.004365	.005396	.006412	.007392	3.20
3.21	.002309	.003255	.004257	.005275	.006280	.007252	3.21
3.22	.002236	.003165	.004151	.005157	.006151	.007114	3.22
3.23	.002165	.003077	.004048	.005041	.006025	.006978	3.23
3.24	.002096	.002991	.003947	.004927	.005900	.006845	3.24
3.25	.002029	.002907	.003849	.004816	.005778	.006714	3.25
3.26	.001964	.002826	.003753	.004707	.005659	.006586	3.26
3.27	.001901	.002746	.003659	.004600	.005541	.006459	3.27
3.28	.001840	.002669	.003567	.004496	.005426	.006335	3.28
3.29	.001780	.002594	.003477	.004394	.005313	.006214	3.29
3.30	.001723	.002520	.003390	.004293	.005202	.006094	3.30
3.31	.001667	.002449	.003304	.004195	.005094	.005977	3.31
3.32	.001612	.002379	.003220	.004099	.004987	.005861	3.32
3.33	.001560	.002311	.003139	.004005	.004883	.005748	3.33
3.34	.001508	.002245	.003059	.003914	.004780	.005637	3.34
3.35	.001459	.002181	.002981	.003823	.004680	.005527	3.35
3.36	.001411	.002118	.002905	.003735	.004581	.005420	3.36
3.37	.001364	.002057	.002830	.003649	.004485	.005315	3.37
3.38	.001319	.001998	.002758	.003565	.004390	.005211	3.38
3.39	.001275	.001940	.002687	.003482	.004297	.005110	3.39
3.40	.001232	.001883	.002618	.003401	.004206	.005010	3.40
3.41	.001191	.001829	.002550	.003322	.004117	.004912	3.41
3.42	.001151	.001775	.002484	.003245	.004029	.004816	3.42
3.43	.001112	.001723	.002420	.003169	.003944	.004721	3.43
3.44	.001075	.001673	.002357	.003095	.003860	.004629	3.44
3.45	.001038	.001624	.002296	.003022	.003777	.004538	3.45
3.46	.001003	.001576	.002236	.002952	.003696	.004448	3.46
3.47	.000969	.001529	.002177	.002882	.003617	.004361	3.47
3.48	.000936	.001484	.002120	.002814	.003540	.004275	3.48
3.49	.000904	.001440	.002065	.002748	.003464	.004190	3.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
3.00	.011836	.012798	.013666	.014443	.015133	.015741	3.00
3.01	.011632	.012590	.013456	.014233	.014923	.015531	3.01
3.02	.011432	.012386	.013249	.014025	.014715	.015324	3.02
3.03	.011234	.012184	.013046	.013820	.014510	.015120	3.03
3.04	.011040	.011986	.012845	.013618	.014308	.014918	3.04
3.05	.010848	.011791	.012647	.013418	.014108	.014719	3.05
3.06	.010660	.011598	.012452	.013222	.013911	.014523	3.06
3.07	.010475	.011409	.012259	.013028	.013717	.014328	3.07
3.08	.010293	.011222	.012070	.012837	.013525	.014137	3.08
3.09	.010113	.011038	.011883	.012648	.013335	.013947	3.09
3.10	.009937	.010857	.011699	.012462	.013148	.013761	3.10
3.11	.009763	.010679	.011517	.012279	.012964	.013576	3.11
3.12	.009592	.010503	.011339	.012098	.012782	.013394	3.12
3.13	.009424	.010330	.011162	.011919	.012603	.013214	3.13
3.14	.009259	.010160	.010989	.011743	.012425	.013037	3.14
3.15	.009096	.009992	.010817	.011570	.012251	.012861	3.15
3.16	.008936	.009827	.010649	.011399	.012078	.012688	3.16
3.17	.008779	.009665	.010483	.011230	.011908	.012517	3.17
3.18	.008624	.009505	.010319	.011064	.011740	.012349	3.18
3.19	.008472	.009347	.010157	.010900	.011574	.012182	3.19
3.20	.008322	.009192	.009998	.010738	.011411	.012018	3.20
3.21	.008174	.009039	.009842	.010578	.011250	.011856	3.21
3.22	.008029	.008889	.009687	.010421	.011090	.011696	3.22
3.23	.007887	.008741	.009535	.010266	.010933	.011538	3.23
3.24	.007747	.008595	.009385	.010113	.010778	.011381	3.24
3.25	.007609	.008452	.009237	.009962	.010626	.011227	3.25
3.26	.007473	.008311	.009092	.009814	.010475	.011075	3.26
3.27	.007340	.008172	.008949	.009667	.010326	.010925	3.27
3.28	.007208	.008035	.008807	.009523	.010179	.010777	3.28
3.29	.007080	.007900	.008668	.009380	.010035	.010631	3.29
3.30	.006953	.007767	.008531	.009240	.009892	.010486	3.30
3.31	.006828	.007637	.008396	.009101	.009751	.010344	3.31
3.32	.006705	.007508	.008263	.008965	.009612	.010203	3.32
3.33	.006585	.007382	.008132	.008830	.009475	.010065	3.33
3.34	.006466	.007257	.008003	.008698	.009340	.009927	3.34
3.35	.006350	.007135	.007876	.008567	.009206	.009792	3.35
3.36	.006235	.007014	.007750	.008438	.009075	.009659	3.36
3.37	.006122	.006896	.007627	.008311	.008945	.009527	3.37
3.38	.006011	.006779	.007506	.008186	.008817	.009397	3.38
3.39	.005903	.006664	.007386	.008062	.008690	.009269	3.39
3.40	.005796	.006551	.007268	.007941	.008566	.009142	3.40
3.41	.005690	.006440	.007152	.007821	.008443	.009017	3.41
3.42	.005587	.006330	.007037	.007702	.008322	.008894	3.42
3.43	.005485	.006222	.006925	.007586	.008202	.008772	3.43
3.44	.005385	.006116	.006814	.007471	.008084	.008652	3.44
3.45	.005287	.006012	.006704	.007358	.007968	.008533	3.45
3.46	.005190	.005909	.006597	.007246	.007853	.008416	3.46
3.47	.005095	.005808	.006491	.007136	.007740	.008301	3.47
3.48	.005002	.005709	.006386	.007028	.007629	.008187	3.48
3.49	.004910	.005611	.006284	.006921	.007519	.008074	3.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
3.50	.000873	.001397	.002010	.002683	.003389	.004107	3.50
3.51	.000843	.001356	.001957	.002619	.003316	.004026	3.51
3.52	.000814	.001315	.001906	.002557	.003245	.003946	3.52
3.53	.000785	.001276	.001855	.002497	.003174	.003868	3.53
3.54	.000758	.001238	.001806	.002437	.003106	.003791	3.54
3.55	.000732	.001200	.001758	.002379	.003038	.003715	3.55
3.56	.000706	.001164	.001711	.002322	.002972	.003641	3.56
3.57	.000681	.001129	.001666	.002267	.002908	.003568	3.57
3.58	.000657	.001095	.001621	.002212	.002845	.003497	3.58
3.59	.000634	.001062	.001578	.002159	.002782	.003427	3.59
3.60	.000612	.001029	.001536	.002107	.002722	.003358	3.60
3.61	.000590	.000998	.001494	.002057	.002662	.003291	3.61
3.62	.000569	.000967	.001454	.002007	.002604	.003225	3.62
3.63	.000549	.000938	.001415	.001959	.002547	.003160	3.63
3.64	.000529	.000909	.001377	.001911	.002491	.003096	3.64
3.65	.000510	.000881	.001339	.001865	.002436	.003034	3.65
3.66	.000492	.000854	.001303	.001820	.002382	.002972	3.66
3.67	.000474	.000827	.001268	.001775	.002330	.002912	3.67
3.68	.000457	.000802	.001233	.001732	.002278	.002853	3.68
3.69	.000441	.000777	.001200	.001690	.002228	.002795	3.69
3.70	.000425	.000753	.001167	.001649	.002179	.002739	3.70
3.71	.000409	.000729	.001135	.001608	.002130	.002683	3.71
3.72	.000394	.000706	.001104	.001569	.002083	.002628	3.72
3.73	.000380	.000684	.001073	.001530	.002037	.002575	3.73
3.74	.000366	.000663	.001044	.001493	.001991	.002522	3.74
3.75	.000353	.000642	.001015	.001456	.001947	.002471	3.75
3.76	.000340	.000622	.000987	.001420	.001903	.002420	3.76
3.77	.000327	.000602	.000960	.001385	.001861	.002371	3.77
3.78	.000315	.000583	.000933	.001351	.001819	.002322	3.78
3.79	.000303	.000565	.000907	.001317	.001778	.002275	3.79
3.80	.000292	.000547	.000882	.001284	.001738	.002228	3.80
3.81	.000281	.000529	.000857	.001253	.001699	.002182	3.81
3.82	.000271	.000512	.000833	.001221	.001661	.002137	3.82
3.83	.000260	.000496	.000810	.001191	.001624	.002093	3.83
3.84	.000251	.000480	.000787	.001161	.001587	.002050	3.84
3.85	.000241	.000465	.000765	.001132	.001551	.002008	3.85
3.86	.000232	.000450	.000744	.001104	.001516	.001966	3.86
3.87	.000223	.000435	.000723	.001076	.001482	.001925	3.87
3.88	.000215	.000421	.000702	.001049	.001448	.001885	3.88
3.89	.000207	.000407	.000682	.001023	.001415	.001846	3.89
3.90	.000199	.000394	.000663	.000997	.001383	.001808	3.90
3.91	.000191	.000381	.000644	.000972	.001351	.001770	3.91
3.92	.000184	.000369	.000626	.000947	.001321	.001733	3.92
3.93	.000177	.000357	.000608	.000923	.001290	.001697	3.93
3.94	.000170	.000345	.000591	.000900	.001261	.001662	3.94
3.95	.000163	.000334	.000574	.000877	.001232	.001627	3.95
3.96	.000157	.000323	.000557	.000855	.001204	.001593	3.96
3.97	.000151	.000312	.000541	.000833	.001176	.001560	3.97
3.98	.000144	.000302	.000526	.000811	.001149	.001527	3.98
3.99	.000139	.000292	.000511	.000791	.001123	.001495	3.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
3.50	.004820	.005515	.006182	.006815	.007410	.007963	3.50
3.51	.004732	.005420	.006083	.006712	.007303	.007854	3.51
3.52	.004645	.005327	.005985	.006609	.007197	.007746	3.52
3.53	.004559	.005236	.005888	.006509	.007093	.007639	3.53
3.54	.004475	.005146	.005793	.006409	.006991	.007534	3.54
3.55	.004392	.005057	.005699	.006311	.006889	.007430	3.55
3.56	.004311	.004970	.005607	.006215	.006790	.007327	3.56
3.57	.004231	.004884	.005516	.006120	.006691	.007226	3.57
3.58	.004153	.004799	.005426	.006026	.006594	.007126	3.58
3.59	.004076	.004716	.005338	.005934	.006498	.007028	3.59
3.60	.004000	.004635	.005251	.005843	.006404	.006931	3.60
3.61	.003926	.004554	.005166	.005753	.006311	.006835	3.61
3.62	.003853	.004475	.005082	.005665	.006219	.006740	3.62
3.63	.003781	.004398	.004999	.005578	.006128	.006647	3.63
3.64	.003711	.004321	.004917	.005492	.006039	.006555	3.64
3.65	.003641	.004246	.004837	.005407	.005951	.006464	3.65
3.66	.003573	.004172	.004758	.005324	.005864	.006374	3.66
3.67	.003506	.004099	.004680	.005242	.005779	.006286	3.67
3.68	.003441	.004028	.004604	.005161	.005694	.006199	3.68
3.69	.003376	.003957	.004528	.005082	.005611	.006112	3.69
3.70	.003313	.003888	.004454	.005003	.005529	.006027	3.70
3.71	.003251	.003820	.004381	.004926	.005448	.005944	3.71
3.72	.003190	.003753	.004309	.004850	.005368	.005861	3.72
3.73	.003129	.003687	.004238	.004774	.005290	.005779	3.73
3.74	.003070	.003623	.004169	.004701	.005212	.005699	3.74
3.75	.003013	.003559	.004100	.004628	.005136	.005619	3.75
3.76	.002956	.003497	.004033	.004556	.005060	.005541	3.76
3.77	.002900	.003435	.003966	.004485	.004986	.005464	3.77
3.78	.002845	.003374	.003901	.004415	.004913	.005387	3.78
3.79	.002791	.003315	.003836	.004347	.004840	.005312	3.79
3.80	.002738	.003256	.003773	.004279	.004769	.005238	3.80
3.81	.002686	.003199	.003711	.004213	.004699	.005165	3.81
3.82	.002635	.003142	.003649	.004147	.004630	.005092	3.82
3.83	.002585	.003087	.003589	.004082	.004561	.005021	3.83
3.84	.002536	.003032	.003529	.004019	.004494	.004951	3.84
3.85	.002487	.002978	.003471	.003956	.004428	.004881	3.85
3.86	.002440	.002926	.003413	.003894	.004362	.004813	3.86
3.87	.002393	.002874	.003356	.003833	.004298	.004745	3.87
3.88	.002347	.002823	.003301	.003773	.004234	.004679	3.88
3.89	.002303	.002772	.003246	.003714	.004172	.004613	3.89
3.90	.002258	.002723	.003192	.003656	.004110	.004548	3.90
3.91	.002215	.002674	.003138	.003599	.004049	.004484	3.91
3.92	.002173	.002627	.003086	.003542	.003989	.004421	3.92
3.93	.002131	.002580	.003035	.003487	.003930	.004359	3.93
3.94	.002090	.002534	.002984	.003432	.003872	.004298	3.94
3.95	.002050	.002489	.002934	.003378	.003814	.004237	3.95
3.96	.002010	.002444	.002885	.003325	.003758	.004178	3.96
3.97	.001971	.002400	.002837	.003273	.003702	.004119	3.97
3.98	.001933	.002357	.002789	.003221	.003647	.004061	3.98
3.99	.001896	.002315	.002742	.003170	.003593	.004003	3.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
4.00	.000134	.000282	.000496	.000771	.001097	.001463	4.00
4.01	.000129	.000273	.000482	.000751	.001071	.001433	4.01
4.02	.000124	.000264	.000468	.000732	.001047	.001403	4.02
4.03	.000119	.000255	.000454	.000713	.001022	.001373	4.03
4.04	.000114	.000246	.000441	.000694	.000999	.001344	4.04
4.05	.000109	.000238	.000428	.000676	.000976	.001316	4.05
4.06	.000105	.000230	.000416	.000659	.000953	.001288	4.06
4.07	.000101	.000222	.000404	.000642	.000931	.001260	4.07
4.08	.000097	.000215	.000392	.000625	.000909	.001234	4.08
4.09	.000093	.000208	.000380	.000609	.000888	.001208	4.09
4.10	.000089	.000201	.000369	.000593	.000867	.001182	4.10
4.11	.000086	.000194	.000358	.000578	.000847	.001157	4.11
4.12	.000082	.000187	.000348	.000563	.000827	.001132	4.12
4.13	.000079	.000181	.000337	.000548	.000808	.001108	4.13
4.14	.000076	.000175	.000328	.000534	.000789	.001084	4.14
4.15	.000073	.000169	.000318	.000520	.000770	.001061	4.15
4.16	.000070	.000163	.000308	.000506	.000752	.001039	4.16
4.17	.000067	.000157	.000299	.000493	.000735	.001016	4.17
4.18	.000064	.000152	.000290	.000480	.000717	.000995	4.18
4.19	.000062	.000147	.000282	.000468	.000700	.000973	4.19
4.20	.000059	.000142	.000273	.000455	.000684	.000952	4.20
4.21	.000057	.000137	.000265	.000443	.000668	.000932	4.21
4.22	.000054	.000132	.000257	.000432	.000652	.000912	4.22
4.23	.000052	.000128	.000250	.000420	.000636	.000892	4.23
4.24	.000050	.000123	.000242	.000409	.000621	.000873	4.24
4.25	.000048	.000119	.000235	.000398	.000606	.000854	4.25
4.26	.000046	.000115	.000228	.000388	.000592	.000836	4.26
4.27	.000044	.000111	.000221	.000377	.000578	.000818	4.27
4.28	.000042	.000107	.000214	.000367	.000564	.000800	4.28
4.29	.000040	.000103	.000208	.000357	.000551	.000783	4.29
4.30	.000039	.000099	.000201	.000348	.000538	.000766	4.30
4.31	.000037	.000096	.000195	.000339	.000525	.000749	4.31
4.32	.000035	.000093	.000189	.000330	.000512	.000733	4.32
4.33	.000034	.000089	.000184	.000321	.000500	.000717	4.33
4.34	.000032	.000086	.000178	.000312	.000488	.000701	4.34
4.35	.000031	.000083	.000173	.000304	.000476	.000686	4.35
4.36	.000030	.000080	.000167	.000296	.000465	.000671	4.36
4.37	.000028	.000077	.000162	.000288	.000454	.000656	4.37
4.38	.000027	.000074	.000157	.000280	.000443	.000642	4.38
4.39	.000026	.000072	.000152	.000272	.000432	.000628	4.39
4.40	.000025	.000069	.000148	.000265	.000421	.000614	4.40
4.41	.000024	.000067	.000143	.000258	.000411	.000601	4.41
4.42	.000023	.000064	.000139	.000251	.000401	.000588	4.42
4.43	.000022	.000062	.000134	.000244	.000392	.000575	4.43
4.44	.000021	.000060	.000130	.000237	.000382	.000562	4.44
4.45	.000020	.000058	.000126	.000231	.000373	.000550	4.45
4.46	.000019	.000056	.000122	.000225	.000364	.000538	4.46
4.47	.000018	.000054	.000119	.000219	.000355	.000526	4.47
4.48	.000018	.000052	.000115	.000213	.000346	.000514	4.48
4.49	.000017	.000050	.000111	.000207	.000338	.000503	4.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
4.00	.001859	.002273	.002696	.003121	.03539	.003947	4.00
4.01	.001823	.002233	.002651	.003071	.003486	.003891	4.01
4.02	.001788	.002192	.002607	.003023	.003434	.003836	4.02
4.03	.001753	.002153	.002563	.002975	.003383	.003782	4.03
4.04	.001719	.002114	.002520	.002928	.003333	.003728	4.04
4.05	.001686	.002076	.002477	.002882	.003283	.003676	4.05
4.06	.001653	.002039	.002436	.002836	.003234	.003624	4.06
4.07	.001621	.002002	.002394	.002791	.003186	.003572	4.07
4.08	.001589	.001966	.002354	.002747	.003138	.003522	4.08
4.09	.001558	.001930	.002314	.002704	.003091	.003472	4.09
4.10	.001528	.001895	.002275	.002661	.003045	.003423	4.10
4.11	.001498	.001861	.002237	.002618	.002999	.003374	4.11
4.12	.001469	.001827	.002199	.002577	.002954	.003326	4.12
4.13	.001440	.001794	.002162	.002536	.002910	.003279	4.13
4.14	.001412	.001761	.002125	.002496	.002866	.003232	4.14
4.15	.001384	.001729	.002089	.002456	.002823	.003186	4.15
4.16	.001357	.001698	.002054	.002417	.002781	.003141	4.16
4.17	.001330	.001667	.002019	.002378	.002739	.003096	4.17
4.18	.001304	.001637	.001984	.002340	.002698	.003052	4.18
4.19	.001278	.001607	.001951	.002303	.002658	.003009	4.19
4.20	.001253	.001577	.001918	.002266	.002618	.002966	4.20
4.21	.001228	.001549	.001885	.002230	.002578	.002924	4.21
4.22	.001204	.001520	.001853	.002194	.002539	.002882	4.22
4.23	.001180	.001492	.001821	.002159	.002501	.002841	4.23
4.24	.001157	.001465	.001790	.002125	.002463	.002800	4.24
4.25	.001134	.001438	.001760	.002091	.002426	.002760	4.25
4.26	.001112	.001412	.001730	.002057	.002390	.002721	4.26
4.27	.001090	.001386	.001700	.002024	.002354	.002682	4.27
4.28	.001068	.001361	.001671	.001992	.002318	.002644	4.28
4.29	.001047	.001336	.001642	.001960	.002283	.002606	4.29
4.30	.001026	.001311	.001614	.001929	.002248	.002569	4.30
4.31	.001005	.001287	.001586	.001898	.002214	.002532	4.31
4.32	.000985	.001263	.001559	.001867	.002181	.002496	4.32
4.33	.000966	.001240	.001533	.001837	.002148	.002460	4.33
4.34	.000947	.001217	.001506	.001808	.002115	.002425	4.34
4.35	.000928	.001195	.001480	.001778	.002083	.002390	4.35
4.36	.000909	.001173	.001455	.001750	.002052	.002356	4.36
4.37	.000891	.001151	.001430	.001722	.002021	.002322	4.37
4.38	.000873	.001130	.001405	.001694	.001990	.002289	4.38
4.39	.000856	.001109	.001381	.001667	.001960	.002256	4.39
4.40	.000838	.001088	.001357	.001640	.001930	.002223	4.40
4.41	.000822	.001068	.001334	.001613	.001901	.002191	4.41
4.42	.000805	.001048	.001311	.001587	.001872	.002160	4.42
4.43	.000789	.001029	.001288	.001561	.001843	.002129	4.43
4.44	.000773	.001010	.001266	.001536	.001815	.002098	4.44
4.45	.000758	.000991	.001244	.001511	.001788	.002068	4.45
4.46	.000742	.000972	.001223	.001487	.001760	.002038	4.46
4.47	.000727	.000954	.001201	.001463	.001733	.002009	4.47
4.48	.000713	.000937	.001181	.001439	.001707	.001980	4.48
4.49	.000698	.000919	.001160	.001416	.001681	.001951	4.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
4.50	.000016	.000048	.000108	.000201	.000330	.000492	4.50
4.51	.000015	.000046	.000104	.000196	.000321	.000481	4.51
4.52	.000015	.000044	.000101	.000190	.000314	.000470	4.52
4.53	.000014	.000043	.000098	.000185	.000306	.000460	4.53
4.54	.000013	.000041	.000095	.000180	.000298	.000450	4.54
4.55	.000013	.000040	.000092	.000175	.000291	.000440	4.55
4.56	.000012	.000038	.000089	.000170	.000284	.000430	4.56
4.57	.000012	.000037	.000086	.000165	.000277	.000420	4.57
4.58	.000011	.000036	.000084	.000161	.000270	.000411	4.58
4.59	.000011	.000034	.000081	.000156	.000263	.000402	4.59
4.60	.000010	.000033	.000078	.000152	.000257	.000393	4.60
4.61	.000010	.000032	.000076	.000148	.000251	.000384	4.61
4.62	.000009	.000031	.000073	.000144	.000244	.000375	4.62
4.63	.000009	.000029	.000071	.000140	.000238	.000367	4.63
4.64	.000008	.000028	.000069	.000136	.000232	.000359	4.64
4.65	.000008	.000027	.000067	.000132	.000227	.000351	4.65
4.66	.000008	.000026	.000065	.000128	.000221	.000343	4.66
4.67	.000007	.000025	.000062	.000125	.000216	.000335	4.67
4.68	.000007	.000024	.000060	.000121	.000210	.000328	4.68
4.69	.000007	.000023	.000059	.000118	.000205	.000320	4.69
4.70	.000006	.000023	.000057	.000115	.000200	.000313	4.70
4.71	.000006	.000022	.000055	.000111	.000195	.000306	4.71
4.72	.000006	.000021	.000053	.000108	.000190	.000299	4.72
4.73	.000006	.000020	.000051	.000105	.000185	.000292	4.73
4.74	.000005	.000019	.000050	.000102	.000181	.000286	4.74
4.75	.000005	.000019	.000048	.000099	.000176	.000279	4.75
4.76	.000005	.000018	.000047	.000097	.000172	.000273	4.76
4.77	.000005	.000017	.000045	.000094	.000167	.000267	4.77
4.78	.000004	.000017	.000044	.000091	.000163	.000261	4.78
4.79	.000004	.000016	.000042	.000089	.000159	.000255	4.79
4.80	.000004	.000015	.000041	.000086	.000155	.000249	4.80
4.81	.000004	.000015	.000039	.000084	.000151	.000244	4.81
4.82	.000004	.000014	.000038	.000081	.000147	.000238	4.82
4.83	.000003	.000014	.000037	.000079	.000144	.000233	4.83
4.84	.000003	.000013	.000036	.000077	.000140	.000227	4.84
4.85	.000003	.000013	.000035	.000075	.000136	.000222	4.85
4.86	.000003	.000012	.000033	.000072	.000133	.000217	4.86
4.87	.000003	.000012	.000032	.000070	.000130	.000212	4.87
4.88	.000003	.000011	.000031	.000068	.000126	.000207	4.88
4.89	.000003	.000011	.000030	.000066	.000123	.000203	4.89
4.90	.000002	.000010	.000029	.000064	.000120	.000198	4.90
4.91	.000002	.000010	.000028	.000063	.000117	.000193	4.91
4.92	.000002	.000010	.000027	.000061	.000114	.000189	4.92
4.93	.000002	.000009	.000026	.000059	.000111	.000185	4.93
4.94	.000002	.000009	.000026	.000057	.000108	.000180	4.94
4.95	.000002	.000008	.000025	.000056	.000105	.000176	4.95
4.96	.000002	.000008	.000024	.000054	.000103	.000172	4.96
4.97	.000002	.000008	.000023	.000053	.000100	.000168	4.97
4.98	.000002	.000007	.000022	.000051	.000098	.000164	4.98
4.99	.000002	.000007	.000022	.000050	.000095	.000161	4.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
4.50	.000684	.000902	.001140	.001393	.001655	.001923	4.50
4.51	.000670	.000885	.001120	.001370	.001630	.001895	4.51
4.52	.000657	.000869	.001101	.001348	.001605	.001868	4.52
4.53	.000643	.000852	.001082	.001326	.001581	.001841	4.53
4.54	.000630	.000836	.001063	.001304	.001556	.001814	4.54
4.55	.000618	.000821	.001044	.001283	.001533	.001788	4.55
4.56	.000605	.000805	.001026	.001262	.001509	.001762	4.56
4.57	.000593	.000790	.001008	.001242	.001486	.001737	4.57
4.58	.000581	.000775	.000991	.001222	.001463	.001712	4.58
4.59	.000569	.000761	.000973	.001202	.001441	.001687	4.59
4.60	.000557	.000747	.000956	.001182	.001419	.001663	4.60
4.61	.000546	.000733	.000940	.001163	.001397	.001638	4.61
4.62	.000535	.000719	.000923	.001144	.001376	.001615	4.62
4.63	.000524	.000705	.000907	.001125	.001354	.001591	4.63
4.64	.000513	.000692	.000891	.001107	.001334	.001568	4.64
4.65	.000503	.000679	.000876	.001089	.001313	.001545	4.65
4.66	.000492	.000666	.000860	.001071	.001293	.001523	4.66
4.67	.000482	.000654	.000845	.001053	.001273	.001501	4.67
4.68	.000472	.000641	.000831	.001036	.001253	.001479	4.68
4.69	.000463	.000629	.000816	.001019	.001234	.001458	4.69
4.70	.000453	.000617	.000802	.001002	.001215	.001436	4.70
4.71	.000444	.000606	.000788	.000986	.001196	.001416	4.71
4.72	.000435	.000594	.000774	.000970	.001178	.001395	4.72
4.73	.000426	.000583	.000760	.000954	.001160	.001375	4.73
4.74	.000417	.000572	.000747	.000938	.001142	.001355	4.74
4.75	.000408	.000561	.000734	.000923	.001124	.001335	4.75
4.76	.000400	.000550	.000721	.000908	.001107	.001315	4.76
4.77	.000392	.000540	.000708	.000893	.001090	.001296	4.77
4.78	.000384	.000530	.000696	.000878	.001073	.001277	4.78
4.79	.000376	.000520	.000683	.000863	.001056	.001259	4.79
4.80	.000368	.000510	.000671	.000849	.001040	.001240	4.80
4.81	.000360	.000500	.000659	.000835	.001024	.001222	4.81
4.82	.000353	.000490	.000648	.000821	.001008	.001204	4.82
4.83	.000346	.000481	.000636	.000808	.000993	.001187	4.83
4.84	.000338	.000472	.000625	.000795	.000977	.001170	4.84
4.85	.000331	.000463	.000614	.000781	.000962	.001152	4.85
4.86	.000325	.000454	.000603	.000769	.000947	.001136	4.86
4.87	.000318	.000445	.000592	.000756	.000932	.001119	4.87
4.88	.000311	.000437	.000582	.000743	.000918	.001103	4.88
4.89	.000305	.000429	.000572	.000731	.000904	.001086	4.89
4.90	.000298	.000420	.000561	.000719	.000890	.001071	4.90
4.91	.000292	.000412	.000551	.000707	.000876	.001055	4.91
4.92	.000286	.000404	.000542	.000695	.000862	.001039	4.92
4.93	.000280	.000397	.000532	.000684	.000849	.001024	4.93
4.94	.000274	.000389	.000523	.000672	.000836	.001009	4.94
4.95	.000269	.000382	.000513	.000661	.000823	.000994	4.95
4.96	.000263	.000374	.000504	.000650	.000810	.000980	4.96
4.97	.000257	.000367	.000495	.000640	.000797	.000965	4.97
4.98	.000252	.000360	.000486	.000629	.000785	.000951	4.98
4.99	.000247	.000353	.000478	.000618	.000773	.000937	4.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	.000001	.000007	.000021	.000048	.000093	.000157	5.00
5.01	.000001	.000007	.000020	.000047	.000090	.000153	5.01
5.02	.000001	.000006	.000019	.000045	.000088	.000150	5.02
5.03	.000001	.000006	.000019	.000044	.000086	.000146	5.03
5.04	.000001	.000006	.000018	.000043	.000083	.000143	5.04
5.05	.000001	.000006	.000018	.000042	.000081	.000140	5.05
5.06	.000001	.000005	.000017	.000040	.000079	.000136	5.06
5.07	.000001	.000005	.000016	.000039	.000077	.000133	5.07
5.08	.000001	.000005	.000016	.000038	.000075	.000130	5.08
5.09	.000001	.000005	.000015	.000037	.000073	.000127	5.09
5.10	.000001	.000005	.000015	.000036	.000071	.000124	5.10
5.11	.000001	.000004	.000014	.000035	.000070	.000121	5.11
5.12	.000001	.000004	.000014	.000034	.000068	.000118	5.12
5.13	.000001	.000004	.000013	.000033	.000066	.000116	5.13
5.14	.000001	.000004	.000013	.000032	.000064	.000113	5.14
5.15	.000001	.000004	.000012	.000031	.000063	.000110	5.15
5.16	.000001	.000004	.000012	.000030	.000061	.000108	5.16
5.17	.000001	.000003	.000012	.000029	.000059	.000105	5.17
5.18	.000001	.000003	.000011	.000028	.000058	.000103	5.18
5.19	.000001	.000003	.000011	.000027	.000056	.000100	5.19
5.20	.000001	.000003	.000010	.000027	.000055	.000098	5.20
5.21	.000001	.000003	.000010	.000026	.000053	.000096	5.21
5.22		.000003	.000010	.000025	.000052	.000093	5.22
5.23		.000003	.000009	.000024	.000051	.000091	5.23
5.24		.000003	.000009	.000024	.000049	.000089	5.24
5.25		.000002	.000009	.000023	.000048	.000087	5.25
5.26		.000002	.000008	.000022	.000047	.000085	5.26
5.27		.000002	.000008	.000021	.000046	.000083	5.27
5.28		.000002	.000008	.000021	.000044	.000081	5.28
5.29		.000002	.000008	.000020	.000043	.000079	5.29
5.30		.000002	.000007	.000020	.000042	.000077	5.30
5.31		.000002	.000007	.000019	.000041	.000075	5.31
5.32		.000002	.000007	.000018	.000040	.000074	5.32
5.33		.000002	.000007	.000018	.000039	.000072	5.33
5.34		.000002	.000006	.000017	.000038	.000070	5.34
5.35		.000002	.000006	.000017	.000037	.000069	5.35
5.36		.000002	.000006	.000016	.000036	.000067	5.36
5.37		.000001	.000006	.000016	.000035	.000065	5.37
5.38		.000001	.000006	.000015	.000034	.000064	5.38
5.39		.000001	.000005	.000015	.000033	.000062	5.39
5.40		.000001	.000005	.000014	.000032	.000061	5.40
5.41		.000001	.000005	.000014	.000031	.000059	5.41
5.42		.000001	.000005	.000014	.000030	.000058	5.42
5.43		.000001	.000005	.000013	.000030	.000056	5.43
5.44		.000001	.000004	.000013	.000029	.000055	5.44
5.45		.000001	.000004	.000012	.000028	.000054	5.45
5.46		.000001	.000004	.000012	.000027	.000053	5.46
5.47		.000001	.000004	.000012	.000027	.000051	5.47
5.48		.000001	.000004	.000011	.000026	.000050	5.48
5.49		.000001	.000004	.000011	.000025	.000049	5.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	.000242	.000346	.000469	.000608	.000761	.000924	5.00
5.01	.000236	.000340	.000461	.000598	.000749	.000910	5.01
5.02	.000232	.000333	.000453	.000588	.000737	.000897	5.02
5.03	.000227	.000327	.000444	.000578	.000726	.000883	5.03
5.04	.000222	.000320	.000437	.000569	.000714	.000870	5.04
5.05	.000217	.000314	.000429	.000559	.000703	.000857	5.05
5.06	.000213	.000308	.000421	.000550	.000692	.000845	5.06
5.07	.000208	.000302	.000414	.000541	.000681	.000833	5.07
5.08	.000204	.000296	.000406	.000532	.000671	.000820	5.08
5.09	.000199	.000290	.000399	.000523	.000660	.000808	5.09
5.10	.000195	.000285	.000392	.000514	.000650	.000796	5.10
5.11	.000191	.000279	.000385	.000506	.000640	.000785	5.11
5.12	.000187	.000274	.000378	.000497	.000630	.000773	5.12
5.13	.000183	.000269	.000371	.000489	.000620	.000762	5.13
5.14	.000179	.000263	.000364	.000481	.000610	.000750	5.14
5.15	.000175	.000258	.000358	.000473	.000600	.000739	5.15
5.16	.000172	.000253	.000351	.000465	.000591	.000728	5.16
5.17	.000168	.000248	.000345	.000457	.000582	.000718	5.17
5.18	.000165	.000243	.000339	.000449	.000573	.000707	5.18
5.19	.000161	.000239	.000333	.000442	.000564	.000697	5.19
5.20	.000158	.000234	.000327	.000434	.000555	.000686	5.20
5.21	.000154	.000230	.000321	.000427	.000546	.000676	5.21
5.22	.000151	.000225	.000315	.000420	.000537	.000666	5.22
5.23	.000148	.000221	.000309	.000413	.000529	.000656	5.23
5.24	.000145	.000216	.000304	.000406	.000521	.000647	5.24
5.25	.000142	.000212	.000298	.000399	.000513	.000637	5.25
5.26	.000139	.000208	.000293	.000392	.000504	.000628	5.26
5.27	.000136	.000204	.000288	.000386	.000497	.000618	5.27
5.28	.000133	.000200	.000282	.000379	.000489	.000609	5.28
5.29	.000130	.000196	.000277	.000373	.000481	.000600	5.29
5.30	.000127	.000192	.000272	.000367	.000473	.000591	5.30
5.31	.000124	.000188	.000267	.000360	.000466	.000582	5.31
5.32	.000122	.000185	.000263	.000354	.000459	.000574	5.32
5.33	.000119	.000181	.000258	.000348	.000451	.000565	5.33
5.34	.000117	.000178	.000253	.000342	.000444	.000557	5.34
5.35	.000114	.000174	.000248	.000337	.000437	.000549	5.35
5.36	.000112	.000171	.000244	.000331	.000430	.000540	5.36
5.37	.000109	.000167	.000240	.000325	.000424	.000532	5.37
5.38	.000107	.000164	.000235	.000320	.000417	.000524	5.38
5.39	.000105	.000161	.000231	.000314	.000410	.000517	5.39
5.40	.000102	.000158	.000227	.000309	.000404	.000509	5.40
5.41	.000100	.000154	.000223	.000304	.000397	.000501	5.41
5.42	.000098	.000151	.000219	.000299	.000391	.000494	5.42
5.43	.000096	.000148	.000215	.000294	.000385	.000487	5.43
5.44	.000094	.000146	.000211	.000289	.000379	.000479	5.44
5.45	.000092	.000143	.000207	.000284	.000373	.000472	5.45
5.46	.000090	.000140	.000203	.000279	.000367	.000465	5.46
5.47	.000088	.000137	.000199	.000274	.000361	.000458	5.47
5.48	.000086	.000134	.000196	.000270	.000355	.000451	5.48
5.49	.000084	.000132	.000192	.000265	.000350	.000445	5.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.50		.000001	.000004	.000011	.000025	.000048	5.50
5.51		.000001	.000003	.000010	.000024	.000047	5.51
5.52		.000001	.000003	.000010	.000023	.000046	5.52
5.53		.000001	.000003	.000010	.000023	.000044	5.53
5.54		.000001	.000003	.000009	.000022	.000043	5.54
5.55		.000001	.000003	.000009	.000021	.000042	5.55
5.56		.000001	.000003	.000009	.000021	.000041	5.56
5.57		.000001	.000003	.000009	.000020	.000040	5.57
5.58		.000001	.000003	.000008	.000020	.000039	5.58
5.59		.000001	.000003	.000008	.000019	.000038	5.59
5.60		.000001	.000003	.000008	.000019	.000037	5.60
5.61		.000001	.000002	.000008	.000018	.000037	5.61
5.62			.000002	.000007	.000018	.000036	5.62
5.63			.000002	.000007	.000017	.000035	5.63
5.64			.000002	.000007	.000017	.000034	5.64
5.65			.000002	.000007	.000016	.000033	5.65
5.66			.000002	.000006	.000016	.000032	5.66
5.67			.000002	.000006	.000015	.000032	5.67
5.68			.000002	.000006	.000015	.000031	5.68
5.69			.000002	.000006	.000015	.000030	5.69
5.70			.000002	.000006	.000014	.000029	5.70
5.71			.000002	.000006	.000014	.000029	5.71
5.72			.000002	.000005	.000013	.000028	5.72
5.73			.000002	.000005	.000013	.000027	5.73
5.74			.000001	.000005	.000013	.000027	5.74
5.75			.000001	.000005	.000012	.000026	5.75
5.76			.000001	.000005	.000012	.000025	5.76
5.77			.000001	.000005	.000012	.000025	5.77
5.78			.000001	.000004	.000011	.000024	5.78
5.79			.000001	.000004	.000011	.000024	5.79
5.80			.000001	.000004	.000011	.000023	5.80
5.81			.000001	.000004	.000010	.000022	5.81
5.82			.000001	.000004	.000010	.000022	5.82
5.83			.000001	.000004	.000010	.000021	5.83
5.84			.000001	.000004	.000010	.000021	5.84
5.85			.000001	.000004	.000009	.000020	5.85
5.86			.000001	.000003	.000009	.000020	5.86
5.87			.000001	.000003	.000009	.000019	5.87
5.88			.000001	.000003	.000009	.000019	5.88
5.89			.000001	.000003	.000008	.000018	5.89
5.90			.000001	.000003	.000008	.000018	5.90
5.91			.000001	.000003	.000008	.000017	5.91
5.92			.000001	.000003	.000008	.000017	5.92
5.93			.000001	.000003	.000007	.000017	5.93
5.94			.000001	.000003	.000007	.000016	5.94
5.95			.000001	.000003	.000007	.000016	5.95
5.96			.000001	.000002	.000007	.000015	5.96
5.97			.000001	.000002	.000007	.000015	5.97
5.98			.000001	.000002	.000007	.000015	5.98
5.99			.000001	.000002	.000006	.000014	5.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.50	.000082	.000129	.000189	.000261	.000344	.000438	5.50
5.51	.000080	.000127	.000185	.000256	.000339	.000432	5.51
5.52	.000079	.000124	.000182	.000252	.000333	.000425	5.52
5.53	.000077	.000122	.000178	.000248	.000328	.000419	5.53
5.54	.000075	.000119	.000175	.000243	.000323	.000412	5.54
5.55	.000074	.000117	.000172	.000239	.000318	.000406	5.55
5.56	.000072	.000114	.000169	.000235	.000313	.000400	5.56
5.57	.000071	.000112	.000166	.000231	.000308	.000394	5.57
5.58	.000069	.000110	.000163	.000227	.000303	.000388	5.58
5.59	.000067	.000108	.000160	.000223	.000298	.000383	5.59
5.60	.000066	.000106	.000157	.000220	.000293	.000377	5.60
5.61	.000065	.000104	.000154	.000216	.000289	.000371	5.61
5.62	.000063	.000101	.000151	.000212	.000284	.000366	5.62
5.63	.000062	.000099	.000148	.000208	.000279	.000360	5.63
5.64	.000060	.000097	.000146	.000205	.000275	.000355	5.64
5.65	.000059	.000096	.000143	.000201	.000271	.000349	5.65
5.66	.000058	.000094	.000140	.000198	.000266	.000344	5.66
5.67	.000057	.000092	.000138	.000195	.000262	.000339	5.67
5.68	.000055	.000090	.000135	.000191	.000258	.000334	5.68
5.69	.000054	.000088	.000133	.000188	.000254	.000329	5.69
5.70	.000053	.000086	.000130	.000185	.000250	.000324	5.70
5.71	.000052	.000084	.000128	.000182	.000246	.000319	5.71
5.72	.000051	.000083	.000125	.000179	.000242	.000314	5.72
5.73	.000050	.000081	.000123	.000175	.000238	.000310	5.73
5.74	.000048	.000080	.000121	.000172	.000234	.000305	5.74
5.75	.000047	.000078	.000119	.000170	.000230	.000300	5.75
5.76	.000046	.000076	.000116	.000167	.000227	.000296	5.76
5.77	.000045	.000075	.000114	.000164	.000223	.000291	5.77
5.78	.000044	.000073	.000112	.000161	.000219	.000287	5.78
5.79	.000043	.000072	.000110	.000158	.000216	.000283	5.79
5.80	.000042	.000071	.000108	.000155	.000212	.000279	5.80
5.81	.000041	.000069	.000106	.000153	.000209	.000274	5.81
5.82	.000041	.000068	.000104	.000150	.000206	.000270	5.82
5.83	.000040	.000066	.000102	.000148	.000202	.000266	5.83
5.84	.000039	.000065	.000100	.000145	.000199	.000262	5.84
5.85	.000038	.000064	.000098	.000143	.000196	.000258	5.85
5.86	.000037	.000062	.000097	.000140	.000193	.000254	5.86
5.87	.000036	.000061	.000095	.000138	.000190	.000250	5.87
5.88	.000035	.000060	.000093	.000135	.000187	.000247	5.88
5.89	.000035	.000059	.000091	.000133	.000184	.000243	5.89
5.90	.000034	.000058	.000090	.000131	.000181	.000239	5.90
5.91	.000033	.000056	.000088	.000128	.000178	.000236	5.91
5.92	.000032	.000055	.000086	.000126	.000175	.000232	5.92
5.93	.000032	.000054	.000085	.000124	.000172	.000229	5.93
5.94	.000031	.000053	.000083	.000122	.000169	.000225	5.94
5.95	.000030	.000052	.000082	.000120	.000167	.000222	5.95
5.96	.000030	.000051	.000080	.000118	.000164	.000218	5.96
5.97	.000029	.000050	.000079	.000116	.000161	.000215	5.97
5.98	.000028	.000049	.000077	.000114	.000159	.000212	5.98
5.99	.000028	.000048	.000076	.000112	.000156	.000209	5.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
6.00			.000001	.000002	.000006	.000014	6.00
6.01			.000001	.000002	.000006	.000014	6.01
6.02			.000001	.000002	.000006	.000013	6.02
6.03			.000001	.000002	.000006	.000013	6.03
6.04				.000002	.000005	.000013	6.04
6.05				.000002	.000005	.000012	6.05
6.06				.000002	.000005	.000012	6.06
6.07				.000002	.000005	.000012	6.07
6.08				.000002	.000005	.000011	6.08
6.09				.000002	.000005	.000011	6.09
6.10				.000002	.000005	.000011	6.10
6.11				.000002	.000005	.000011	6.11
6.12				.000001	.000004	.000010	6.12
6.13				.000001	.000004	.000010	6.13
6.14				.000001	.000004	.000010	6.14
6.15				.000001	.000004	.000010	6.15
6.16				.000001	.000004	.000009	6.16
6.17				.000001	.000004	.000009	6.17
6.18				.000001	.000004	.000009	6.18
6.19				.000001	.000004	.000009	6.19
6.20				.000001	.000003	.000008	6.20
6.21				.000001	.000003	.000008	6.21
6.22				.000001	.000003	.000008	6.22
6.23				.000001	.000003	.000008	6.23
6.24				.000001	.000003	.000008	6.24
6.25				.000001	.000003	.000007	6.25
6.26				.000001	.000003	.000007	6.26
6.27				.000001	.000003	.000007	6.27
6.28				.000001	.000003	.000007	6.28
6.29				.000001	.000003	.000007	6.29
6.30				.000001	.000003	.000007	6.30
6.31				.000001	.000003	.000006	6.31
6.32				.000001	.000002	.000006	6.32
6.33				.000001	.000002	.000006	6.33
6.34				.000001	.000002	.000006	6.34
6.35				.000001	.000002	.000006	6.35
6.36				.000001	.000002	.000006	6.36
6.37				.000001	.000002	.000005	6.37
6.38				.000001	.000002	.000005	6.38
6.39				.000001	.000002	.000005	6.39
6.40				.000001	.000002	.000005	6.40
6.41				.000001	.000002	.000005	6.41
6.42				.000001	.000002	.000005	6.42
6.43				.000001	.000002	.000005	6.43
6.44				.000001	.000002	.000005	6.44
6.45					.000002	.000004	6.45
6.46					.000002	.000004	6.46
6.47					.000002	.000004	6.47
6.48					.000002	.000004	6.48
6.49					.000002	.000004	6.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
6.00	.000027	.000047	.000074	.000110	.000154	.000206	6.00
6.01	.000027	.000046	.000073	.000108	.000151	.000202	6.01
6.02	.000026	.000045	.000072	.000106	.000149	.000199	6.02
6.03	.000025	.000044	.000070	.000104	.000146	.000196	6.03
6.04	.000025	.000043	.000069	.000102	.000144	.000193	6.04
6.05	.000024	.000042	.000068	.000101	.000142	.000190	6.05
6.06	.000024	.000041	.000066	.000099	.000139	.000188	6.06
6.07	.000023	.000041	.000065	.000097	.000137	.000185	6.07
6.08	.000023	.000040	.000064	.000096	.000135	.000182	6.08
6.09	.000022	.000039	.000063	.000094	.000133	.000179	6.09
6.10	.000022	.000038	.000062	.000092	.000131	.000176	6.10
6.11	.000021	.000037	.000060	.000091	.000128	.000174	6.11
6.12	.000021	.000037	.000059	.000089	.000126	.000171	6.12
6.13	.000020	.000036	.000058	.000088	.000124	.000169	6.13
6.14	.000020	.000035	.000057	.000086	.000122	.000166	6.14
6.15	.000019	.000034	.000056	.000085	.000120	.000163	6.15
6.16	.000019	.000034	.000055	.000083	.000118	.000161	6.16
6.17	.000018	.000033	.000054	.000082	.000116	.000159	6.17
6.18	.000018	.000032	.000053	.000080	.000115	.000156	6.18
6.19	.000018	.000032	.000052	.000079	.000113	.000154	6.19
6.20	.000017	.000031	.000051	.000077	.000111	.000151	6.20
6.21	.000017	.000030	.000050	.000076	.000109	.000149	6.21
6.22	.000016	.000030	.000049	.000075	.000107	.000147	6.22
6.23	.000016	.000029	.000048	.000073	.000106	.000145	6.23
6.24	.000016	.000029	.000047	.000072	.000104	.000142	6.24
6.25	.000015	.000028	.000046	.000071	.000102	.000140	6.25
6.26	.000015	.000027	.000045	.000070	.000101	.000138	6.26
6.27	.000015	.000027	.000045	.000068	.000099	.000136	6.27
6.28	.000014	.000026	.000044	.000067	.000097	.000134	6.28
6.29	.000014	.000026	.000043	.000066	.000096	.000132	6.29
6.30	.000014	.000025	.000042	.000065	.000094	.000130	6.30
6.31	.000013	.000025	.000041	.000064	.000093	.000128	6.31
6.32	.000013	.000024	.000041	.000063	.000091	.000126	6.32
6.33	.000013	.000024	.000040	.000062	.000090	.000124	6.33
6.34	.000013	.000023	.000039	.000061	.000088	.000122	6.34
6.35	.000012	.000023	.000038	.000059	.000087	.000120	6.35
6.36	.000012	.000022	.000038	.000058	.000085	.000118	6.36
6.37	.000012	.000022	.000037	.000057	.000084	.000117	6.37
6.38	.000011	.000021	.000036	.000056	.000083	.000115	6.38
6.39	.000011	.000021	.000035	.000055	.000081	.000113	6.39
6.40	.000011	.000021	.000035	.000054	.000080	.000111	6.40
6.41	.000011	.000020	.000034	.000053	.000079	.000110	6.41
6.42	.000010	.000020	.000033	.000053	.000077	.000108	6.42
6.43	.000010	.000019	.000033	.000052	.000076	.000106	6.43
6.44	.000010	.000019	.000032	.000051	.000075	.000105	6.44
6.45	.000010	.000018	.000032	.000050	.000074	.000103	6.45
6.46	.000010	.000018	.000031	.000049	.000072	.000102	6.46
6.47	.000009	.000018	.000030	.000048	.000071	.000100	6.47
6.48	.000009	.000017	.000030	.000047	.000070	.000099	6.48
6.49	.000009	.000017	.000029	.000046	.000069	.000097	6.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
6.50					.000001	.000004	6.50
6.51					.000001	.000004	6.51
6.52					.000001	.000004	6.52
6.53					.000001	.000004	6.53
6.54					.000001	.000004	6.54
6.55					.000001	.000003	6.55
6.56					.000001	.000003	6.56
6.57					.000001	.000003	6.57
6.58					.000001	.000003	6.58
6.59					.000001	.000003	6.59
6.60					.000001	.000003	6.60
6.61					.000001	.000003	6.61
6.62					.000001	.000003	6.62
6.63					.000001	.000003	6.63
6.64					.000001	.000003	6.64
6.65					.000001	.000003	6.65
6.66					.000001	.000003	6.66
6.67					.000001	.000003	6.67
6.68					.000001	.000002	6.68
6.69					.000001	.000002	6.69
6.70					.000001	.000002	6.70
6.71					.000001	.000002	6.71
6.72					.000001	.000002	6.72
6.73					.000001	.000002	6.73
6.74					.000001	.000002	6.74
6.75					.000001	.000002	6.75
6.76					.000001	.000002	6.76
6.77					.000001	.000002	6.77
6.78					.000001	.000002	6.78
6.79					.000001	.000002	6.79
6.80					.000001	.000002	6.80
6.81					.000001	.000002	6.81
6.82					.000001	.000002	6.82
6.83					.000001	.000002	6.83
6.84					.000001	.000002	6.84
6.85					.000001	.000002	6.85
6.86					.000001	.000002	6.86
6.87						.000002	6.87
6.88						.000001	6.88
6.89						.000001	6.89
6.90						.000001	6.90
6.91						.000001	6.91
6.92						.000001	6.92
6.93						.000001	6.93
6.94						.000001	6.94
6.95						.000001	6.95
6.96						.000001	6.96
6.97						.000001	6.97
6.98						.000001	6.98
6.99						.000001	6.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
6.50	.000009	.000017	.000029	.000046	.000068	.000096	6.50
6.51	.000008	.000016	.000028	.000045	.000067	.000094	6.51
6.52	.000008	.000016	.000028	.000044	.000066	.000093	6.52
6.53	.000008	.000016	.000027	.000043	.000065	.000091	6.53
6.54	.000008	.000015	.000027	.000042	.000063	.000090	6.54
6.55	.000008	.000015	.000026	.000042	.000062	.000088	6.55
6.56	.000008	.000015	.000026	.000041	.000061	.000087	6.56
6.57	.000007	.000014	.000025	.000040	.000060	.000086	6.57
6.58	.000007	.000014	.000025	.000040	.000059	.000084	6.58
6.59	.000007	.000014	.000024	.000039	.000058	.000083	6.59
6.60	.000007	.000014	.000024	.000038	.000057	.000082	6.60
6.61	.000007	.000013	.000023	.000038	.000057	.000081	6.61
6.62	.000007	.000013	.000023	.000037	.000056	.000079	6.62
6.63	.000006	.000013	.000022	.000036	.000055	.000078	6.63
6.64	.000006	.000012	.000022	.000036	.000054	.000077	6.64
6.65	.000006	.000012	.000022	.000035	.000053	.000076	6.65
6.66	.000006	.000012	.000021	.000034	.000052	.000075	6.66
6.67	.000006	.000012	.000021	.000034	.000051	.000073	6.67
6.68	.000006	.000011	.000020	.000033	.000050	.000072	6.68
6.69	.000006	.000011	.000020	.000033	.000050	.000071	6.69
6.70	.000005	.000011	.000020	.000032	.000049	.000070	6.70
6.71	.000005	.000011	.000019	.000031	.000048	.000069	6.71
6.72	.000005	.000010	.000019	.000031	.000047	.000068	6.72
6.73	.000005	.000010	.000018	.000030	.000046	.000067	6.73
6.74	.000005	.000010	.000018	.000030	.000046	.000066	6.74
6.75	.000005	.000010	.000018	.000029	.000045	.000065	6.75
6.76	.000005	.000010	.000017	.000029	.000044	.000064	6.76
6.77	.000005	.000009	.000017	.000028	.000043	.000063	6.77
6.78	.000005	.000009	.000017	.000028	.000043	.000062	6.78
6.79	.000004	.000009	.000016	.000027	.000042	.000061	6.79
6.80	.000004	.000009	.000016	.000027	.000041	.000060	6.80
6.81	.000004	.000009	.000016	.000026	.000041	.000059	6.81
6.82	.000004	.000008	.000016	.000026	.000040	.000058	6.82
6.83	.000004	.000008	.000015	.000025	.000039	.000057	6.83
6.84	.000004	.000008	.000015	.000025	.000039	.000056	6.84
6.85	.000004	.000008	.000015	.000024	.000038	.000056	6.85
6.86	.000004	.000008	.000014	.000024	.000037	.000055	6.86
6.87	.000004	.000008	.000014	.000024	.000037	.000054	6.87
6.88	.000004	.000007	.000014	.000023	.000036	.000053	6.88
6.89	.000004	.000007	.000014	.000023	.000036	.000052	6.89
6.90	.000003	.000007	.000013	.000022	.000035	.000051	6.90
6.91	.000003	.000007	.000013	.000022	.000034	.000051	6.91
6.92	.000003	.000007	.000013	.000022	.000034	.000050	6.92
6.93	.000003	.000007	.000013	.000021	.000033	.000049	6.93
6.94	.000003	.000007	.000012	.000021	.000033	.000048	6.94
6.95	.000003	.000006	.000012	.000020	.000032	.000048	6.95
6.96	.000003	.000006	.000012	.000020	.000032	.000047	6.96
6.97	.000003	.000006	.000012	.000020	.000031	.000046	6.97
6.98	.000003	.000006	.000011	.000019	.000031	.000045	6.98
6.99	.000003	.000006	.000011	.000019	.000030	.000045	6.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
7.00						.000001	7.00
7.01						.000001	7.01
7.02						.000001	7.02
7.03						.000001	7.03
7.04						.000001	7.04
7.05						.000001	7.05
7.06						.000001	7.06
7.07						.000001	7.07
7.08						.000001	7.08
7.09						.000001	7.09
7.10						.000001	7.10
7.11						.000001	7.11
7.12						.000001	7.12
7.13						.000001	7.13
7.14						.000001	7.14
7.15						.000001	7.15
7.16						.000001	7.16
7.17						.000001	7.17
7.18						.000001	7.18
7.19						.000001	7.19
7.20						.000001	7.20
7.21						.000001	7.21
7.22						.000001	7.22
7.23						.000001	7.23
7.24						.000001	7.24
7.25						.000001	7.25
7.26						.000001	7.26
7.27						.000001	7.27
7.28						.000001	7.28
7.29						.000001	7.29
7.30							7.30
7.31							7.31
7.32							7.32
7.33							7.33
7.34							7.34
7.35							7.35
7.36							7.36
7.37							7.37
7.38							7.38
7.39							7.39
7.40							7.40
7.41							7.41
7.42							7.42
7.43							7.43
7.44							7.44
7.45							7.45
7.46							7.46
7.47							7.47
7.48							7.48
7.49							7.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
7.00	.000003	.000006	.000011	.000019	.000030	.000044	7.00
7.01	.000003	.000006	.000011	.000018	.000029	.000043	7.01
7.02	.000003	.000006	.000011	.000018	.000029	.000043	7.02
7.03	.000003	.000005	.000010	.000018	.000028	.000042	7.03
7.04	.000002	.000005	.000010	.000017	.000028	.000041	7.04
7.05	.000002	.000005	.000010	.000017	.000027	.000041	7.05
7.06	.000002	.000005	.000010	.000017	.000027	.000040	7.06
7.07	.000002	.000005	.000010	.000016	.000026	.000039	7.07
7.08	.000002	.000005	.000009	.000016	.000026	.000039	7.08
7.09	.000002	.000005	.000009	.000016	.000025	.000038	7.09
7.10	.000002	.000005	.000009	.000016	.000025	.000038	7.10
7.11	.000002	.000005	.000009	.000015	.000025	.000037	7.11
7.12	.000002	.000004	.000009	.000015	.000024	.000037	7.12
7.13	.000002	.000004	.000008	.000015	.000024	.000036	7.13
7.14	.000002	.000004	.000008	.000015	.000023	.000035	7.14
7.15	.000002	.000004	.000008	.000014	.000023	.000035	7.15
7.16	.000002	.000004	.000008	.000014	.000023	.000034	7.16
7.17	.000002	.000004	.000008	.000014	.000022	.000034	7.17
7.18	.000002	.000004	.000008	.000014	.000022	.000033	7.18
7.19	.000002	.000004	.000008	.000013	.000022	.000033	7.19
7.20	.000002	.000004	.000007	.000013	.000021	.000032	7.20
7.21	.000002	.000004	.000007	.000013	.000021	.000032	7.21
7.22	.000002	.000004	.000007	.000013	.000021	.000031	7.22
7.23	.000002	.000004	.000007	.000012	.000020	.000031	7.23
7.24	.000002	.000003	.000007	.000012	.000020	.000030	7.24
7.25	.000001	.000003	.000007	.000012	.000019	.000030	7.25
7.26	.000001	.000003	.000007	.000012	.000019	.000029	7.26
7.27	.000001	.000003	.000006	.000012	.000019	.000029	7.27
7.28	.000001	.000003	.000006	.000011	.000019	.000028	7.28
7.29	.000001	.000003	.000006	.000011	.000018	.000028	7.29
7.30	.000001	.000003	.000006	.000011	.000018	.000028	7.30
7.31	.000001	.000003	.000006	.000011	.000018	.000027	7.31
7.32	.000001	.000003	.000006	.000011	.000017	.000027	7.32
7.33	.000001	.000003	.000006	.000010	.000017	.000026	7.33
7.34	.000001	.000003	.000006	.000010	.000017	.000026	7.34
7.35	.000001	.000003	.000006	.000010	.000016	.000025	7.35
7.36	.000001	.000003	.000005	.000010	.000016	.000025	7.36
7.37	.000001	.000003	.000005	.000010	.000016	.000025	7.37
7.38	.000001	.000003	.000005	.000009	.000016	.000024	7.38
7.39	.000001	.000003	.000005	.000009	.000015	.000024	7.39
7.40	.000001	.000002	.000005	.000009	.000015	.000024	7.40
7.41	.000001	.000002	.000005	.000009	.000015	.000023	7.41
7.42	.000001	.000002	.000005	.000009	.000015	.000023	7.42
7.43	.000001	.000002	.000005	.000009	.000014	.000022	7.43
7.44	.000001	.000002	.000005	.000008	.000014	.000022	7.44
7.45	.000001	.000002	.000005	.000008	.000014	.000022	7.45
7.46	.000001	.000002	.000004	.000008	.000014	.000021	7.46
7.47	.000001	.000002	.000004	.000008	.000013	.000021	7.47
7.48	.000001	.000002	.000004	.000008	.000013	.000021	7.48
7.49	.000001	.000002	.000004	.000008	.000013	.000020	7.49

t	SKEWNESS						t
	.0	.1	.2	.3	4	.5	
7.50							7.50
7.51							7.51
7.52							7.52
7.53							7.53
7.54							7.54
7.55							7.55
7.56							7.56
7.57							7.57
7.58							7.58
7.59							7.59
7.60							7.60
7.61							7.61
7.62							7.62
7.63							7.63
7.64							7.64
7.65							7.65
7.66							7.66
7.67							7.67
7.68							7.68
7.69							7.69
7.70							7.70
7.71							7.71
7.72							7.72
7.73							7.73
7.74							7.74
7.75							7.75
7.76							7.76
7.77							7.77
7.78							7.78
7.79							7.79
7.80							7.80
7.81							7.81
7.82							7.82
7.83							7.83
7.84							7.84
7.85							7.85
7.86							7.86
7.87							7.87
7.88							7.88
7.89							7.89
7.90							7.90
7.91							7.91
7.92							7.92
7.93							7.93
7.94							7.94
7.95							7.95
7.96							7.96
7.97							7.97
7.98							7.98
7.99							7.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
7.50	.000001	.000002	.000004	.000008	.000013	.000020	7.50
7.51	.000001	.000002	.000004	.000007	.000013	.000020	7.51
7.52	.000001	.000002	.000004	.000007	.000012	.000020	7.52
7.53	.000001	.000002	.000004	.000007	.000012	.000019	7.53
7.54	.000001	.000002	.000004	.000007	.000012	.000019	7.54
7.55	.000001	.000002	.000004	.000007	.000012	.000019	7.55
7.56	.000001	.000002	.000004	.000007	.000012	.000018	7.56
7.57	.000001	.000002	.000004	.000007	.000011	.000018	7.57
7.58	.000001	.000002	.000004	.000007	.000011	.000018	7.58
7.59	.000001	.000002	.000003	.000006	.000011	.000017	7.59
7.60	.000001	.000002	.000003	.000006	.000011	.000017	7.60
7.61	.000001	.000002	.000003	.000006	.000011	.000017	7.61
7.62	.000001	.000002	.000003	.000006	.000010	.000017	7.62
7.63	.000001	.000001	.000003	.000006	.000010	.000016	7.63
7.64	.000001	.000001	.000003	.000006	.000010	.000016	7.64
7.65	.000001	.000001	.000003	.000006	.000010	.000016	7.65
7.66	.000001	.000001	.000003	.000006	.000010	.000016	7.66
7.67	.000001	.000001	.000003	.000006	.000010	.000015	7.67
7.68	.000001	.000001	.000003	.000005	.000009	.000015	7.68
7.69	.000001	.000001	.000003	.000005	.000009	.000015	7.69
7.70	.000001	.000001	.000003	.000005	.000009	.000015	7.70
7.71		.000001	.000003	.000005	.000009	.000014	7.71
7.72		.000001	.000003	.000005	.000009	.000014	7.72
7.73		.000001	.000003	.000005	.000009	.000014	7.73
7.74		.000001	.000003	.000005	.000009	.000014	7.74
7.75		.000001	.000002	.000005	.000008	.000014	7.75
7.76		.000001	.000002	.000005	.000008	.000013	7.76
7.77		.000001	.000002	.000005	.000008	.000013	7.77
7.78		.000001	.000002	.000005	.000008	.000013	7.78
7.79		.000001	.000002	.000004	.000008	.000013	7.79
7.80		.000001	.000002	.000004	.000008	.000013	7.80
7.81		.000001	.000002	.000004	.000008	.000012	7.81
7.82		.000001	.000002	.000004	.000007	.000012	7.82
7.83		.000001	.000002	.000004	.000007	.000012	7.83
7.84		.000001	.000002	.000004	.000007	.000012	7.84
7.85		.000001	.000002	.000004	.000007	.000012	7.85
7.86		.000001	.000002	.000004	.000007	.000011	7.86
7.87		.000001	.000002	.000004	.000007	.000011	7.87
7.88		.000001	.000002	.000004	.000007	.000011	7.88
7.89		.000001	.000002	.000004	.000007	.000011	7.89
7.90		.000001	.000002	.000004	.000007	.000011	7.90
7.91		.000001	.000002	.000004	.000006	.000011	7.91
7.92		.000001	.000002	.000004	.000006	.000010	7.92
7.93		.000001	.000002	.000003	.000006	.000010	7.93
7.94		.000001	.000002	.000003	.000006	.000010	7.94
7.95		.000001	.000002	.000003	.000006	.000010	7.95
7.96		.000001	.000002	.000003	.000006	.000010	7.96
7.97		.000001	.000002	.000003	.000006	.000010	7.97
7.98		.000001	.000002	.000003	.000006	.000009	7.98
7.99		.000001	.000002	.000003	.000006	.000009	7.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
8.00							8.00
8.01							8.01
8.02							8.02
8.03							8.03
8.04							8.04
8.05							8.05
8.06							8.06
8.07							8.07
8.08							8.08
8.09							8.09
8.10							8.10
8.11							8.11
8.12							8.12
8.13							8.13
8.14							8.14
8.15							8.15
8.16							8.16
8.17							8.17
8.18							8.18
8.19							8.19
8.20							8.20
8.21							8.21
8.22							8.22
8.23							8.23
8.24							8.24
8.25							8.25
8.26							8.26
8.27							8.27
8.28							8.28
8.29							8.29
8.30							8.30
8.31							8.31
8.32							8.32
8.33							8.33
8.34							8.34
8.35							8.35
8.36							8.36
8.37							8.37
8.38							8.38
8.39							8.39
8.40							8.40
8.41							8.41
8.42							8.42
8.43							8.43
8.44							8.44
8.45							8.45
8.46							8.46
8.47							8.47
8.48							8.48
8.49							8.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
8.00		.000001	.000002	.000003	.000005	.000009	8.00
8.01		.000001	.000001	.000003	.000005	.000009	8.01
8.02		.000001	.000001	.000003	.000005	.000009	8.02
8.03		.000001	.000001	.000003	.000005	.000009	8.03
8.04		.000001	.000001	.000003	.000005	.000009	8.04
8.05		.000001	.000001	.000053	.000005	.000008	8.05
8.06		.000001	.000001	.000003	.000005	.000008	8.06
8.07		.000001	.000001	.000003	.000005	.000008	8.07
8.08		.000001	.000001	.000003	.000005	.000008	8.08
8.09		.000001	.000001	.000003	.000005	.000008	8.09
8.10		.000001	.000001	.000003	.000005	.000008	8.10
8.11		.000001	.000001	.000002	.000005	.000008	8.11
8.12		.000001	.000001	.000002	.000004	.000008	8.12
8.13			.000001	.000002	.000004	.000007	8.13
8.14			.000001	.000002	.000004	.000007	8.14
8.15			.000001	.000002	.000004	.000007	8.15
8.16			.000001	.000002	.000004	.000007	8.16
8.17			.000001	.000002	.000004	.000007	8.17
8.18			.000001	.000002	.000004	.000007	8.18
8.19			.000001	.000002	.000004	.000007	8.19
8.20			.000001	.000002	.000004	.000007	8.20
8.21			.000001	.000002	.000004	.000007	8.21
8.22			.000001	.000002	.000004	.000006	8.22
8.23			.000001	.000002	.000004	.000006	8.23
8.24			.000001	.000002	.000004	.000006	8.24
8.25			.000001	.000002	.000004	.000006	8.25
8.26			.000001	.000002	.000004	.000006	8.26
8.27			.000001	.000002	.000003	.000006	8.27
8.28			.000001	.000002	.000003	.000006	8.28
8.29			.000001	.000002	.000003	.000006	8.29
8.30			.000001	.000002	.000003	.000006	8.30
8.31			.000001	.000002	.000003	.000006	8.31
8.32			.000001	.000002	.000003	.000006	8.32
8.33			.000001	.000002	.000003	.000005	8.33
8.34			.000001	.000002	.000003	.000005	8.34
8.35			.000001	.000002	.000003	.000005	8.35
8.36			.000001	.000002	.000003	.000005	8.36
8.37			.000001	.000002	.000003	.000005	8.37
8.38			.000001	.000002	.000003	.000005	8.38
8.39			.000001	.000001	.000003	.000005	8.39
8.40			.000001	.000001	.000003	.000005	8.40
8.41			.000001	.000001	.000003	.000005	8.41
8.42			.000001	.000001	.000003	.000005	8.42
8.43			.000001	.000001	.000003	.000005	8.43
8.44			.000001	.000001	.000003	.000005	8.44
8.45			.000001	.000001	.000003	.000004	8.45
8.46			.000001	.000001	.000003	.000004	8.46
8.47			.000001	.000001	.000002	.000004	8.47
8.48			.000001	.000001	.000002	.000004	8.48
8.49			.000001	.000001	.000002	.000004	8.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
8.50							8.50
8.51							8.51
8.52							8.52
8.53							8.53
8.54							8.54
8.55							8.55
8.56							8.56
8.57							8.57
8.58							8.58
8.59							8.59
8.60							8.60
8.61							8.61
8.62							8.62
8.63							8.63
8.64							8.64
8.65							8.65
8.66							8.66
8.67							8.67
8.68							8.68
8.69							8.69
8.70							8.70
8.71							8.71
8.72							8.72
8.73							8.73
8.74							8.74
8.75							8.75
8.76							8.76
8.77							8.77
8.78							8.78
8.79							8.79
8.80							8.80
8.81							8.81
8.82							8.82
8.83							8.83
8.84							8.84
8.85							8.85
8.86							8.86
8.87							8.87
8.88							8.88
8.89							8.89
8.90							8.90
8.91							8.91
8.92							8.92
8.93							8.93
8.94							8.94
8.95							8.95
8.96							8.96
8.97							8.97
8.98							8.98
8.99							8.99

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
8.50			.000001	.000001	.000002	.000004	8.50
8.51			.000001	.000001	.000002	.000004	8.51
8.52			.000001	.000001	.000002	.000004	8.52
8.53			.000001	.000001	.000002	.000004	8.53
8.54			.000001	.000001	.000002	.000004	8.54
8.55			.000001	.000001	.000002	.000004	8.55
8.56				.000001	.000002	.000004	8.56
8.57				.000001	.000002	.000004	8.57
8.58				.000001	.000002	.000004	8.58
8.59				.000001	.000002	.000004	8.59
8.60				.000001	.000002	.000004	8.60
8.61				.000001	.000002	.000003	8.61
8.62				.000001	.000002	.000003	8.62
8.63				.000001	.000002	.000003	8.63
8.64				.000001	.000002	.000003	8.64
8.65				.000001	.000002	.000003	8.65
8.66				.000001	.000002	.000003	8.66
8.67				.000001	.000002	.000003	8.67
8.68				.000001	.000002	.000003	8.68
8.69				.000001	.000002	.000003	8.69
8.70				.000001	.000002	.000003	8.70
8.71				.000001	.000002	.000003	8.71
8.72				.000001	.000002	.000003	8.72
8.73				.000001	.000002	.000003	8.73
8.74				.000001	.000002	.000003	8.74
8.75				.000001	.000002	.000003	8.75
8.76				.000001	.000001	.000003	8.76
8.77				.000001	.000001	.000003	8.77
8.78				.000001	.000001	.000003	8.78
8.79				.000001	.000001	.000003	8.79
8.80				.000001	.000001	.000003	8.80
8.81				.000001	.000001	.000003	8.81
8.82				.000001	.000001	.000002	8.82
8.83				.000001	.000001	.000002	8.83
8.84				.000001	.000001	.000002	8.84
8.85				.000001	.000001	.000002	8.85
8.86				.000001	.000001	.000002	8.86
8.87				.000001	.000001	.000002	8.87
8.88				.000001	.000001	.000002	8.88
8.89				.000001	.000001	.000002	8.89
8.90				.000001	.000001	.000002	8.90
8.91				.000001	.000001	.000002	8.91
8.92				.000001	.000001	.000002	8.92
8.93				.000001	.000001	.000002	8.93
8.94				.000001	.000001	.000002	8.94
8.95				.000001	.000001	.000002	8.95
8.96				.000001	.000001	.000002	8.96
8.97				.000001	.000001	.000002	8.97
8.98				.000001	.000001	.000002	8.98
8.99					.000001	.000002	8.99

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
9.00							9.00
9.01							9.01
9.02							9.02
9.03							9.03
9.04							9.04
9.05							9.05
9.06							9.06
9.07							9.07
9.08							9.08
9.09							9.09
9.10							9.10
9.11							9.11
9.12							9.12
9.13							9.13
9.14							9.14
9.15							9.15
9.16							9.16
9.17							9.17
9.18							9.18
9.19							9.19
9.20							9.20
9.21							9.21
9.22							9.22
9.23							9.23
9.24							9.24
9.25							9.25
9.26							9.26
9.27							9.27
9.28							9.28
9.29							9.29
9.30							9.30
9.31							9.31
9.32							9.32
9.33							9.33
9.34							9.34
9.35							9.35
9.36							9.36
9.37							9.37
9.38							9.38
9.39							9.39
9.40							9.40
9.41							9.41
9.42							9.42
9.43							9.43
9.44							9.44
9.45							9.45
9.46							9.46
9.47							9.47
9.48							9.48
9.49							9.49

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
9.00					.000001	.000002	9.00
9.01					.000001	.000002	9.01
9.02					.000001	.000002	9.02
9.03					.000001	.000002	9.03
9.04					.000001	.000002	9.04
9.05					.000001	.000002	9.05
9.06					.000001	.000002	9.06
9.07					.000001	.000002	9.07
9.08					.000001	.000002	9.08
9.09					.000001	.000002	9.09
9.10					.000001	.000002	9.10
9.11					.000001	.000002	9.11
9.12					.000001	.000002	9.12
9.13					.000001	.000002	9.13
9.14					.000001	.000001	9.14
9.15					.000001	.000001	9.15
9.16					.000001	.000001	9.16
9.17					.000001	.000001	9.17
9.18					.000001	.000001	9.18
9.19					.000001	.000001	9.19
9.20					.000001	.000001	9.20
9.21					.000001	.000001	9.21
9.22					.000001	.000001	9.22
9.23					.000001	.000001	9.23
9.24					.000001	.000001	9.24
9.25					.000001	.000001	9.25
9.26					.000001	.000001	9.26
9.27					.000001	.000001	9.27
9.28					.000001	.000001	9.28
9.29					.000001	.000001	9.29
9.30					.000001	.000001	9.30
9.31					.000001	.000001	9.31
9.32					.000001	.000001	9.32
9.33					.000001	.000001	9.33
9.34					.000001	.000001	9.34
9.35					.000001	.000001	9.35
9.36					.000001	.000001	9.36
9.37					.000001	.000001	9.37
9.38					.000001	.000001	9.38
9.39					.000001	.000001	9.39
9.40						.000001	9.40
9.41						.000001	9.41
9.42						.000001	9.42
9.43						.000001	9.43
9.44						.000001	9.44
9.45						.000001	9.45
9.46						.000001	9.46
9.47						.000001	9.47
9.48						.000001	9.48
9.49						.000001	9.49

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
9.50							9.50
9.51							9.51
9.52							9.52
9.53							9.53
9.54							9.54
9.55							9.55
9.56							9.56
9.57							9.57
9.58							9.58
9.59							9.59
9.60							9.60
9.61							9.61
9.62							9.62
9.63							9.63
9.64							9.64
9.65							9.65
9.66							9.66
9.67							9.67
9.68							9.68
9.69							9.69
9.70							9.70
9.71							9.71
9.72							9.72
9.73							9.73
9.74							9.74
9.75							9.75
9.76							9.76
9.77							9.77
9.78							9.78
9.79							9.79
9.80							9.80
9.81							9.81
9.82							9.82
9.83							9.83
9.84							9.84
9.85							9.85
9.86							9.86
9.87							9.87
9.88							9.88
9.89							9.89
9.90							9.90
9.91							9.91
9.92							9.92
9.93							9.93
9.94							9.94
9.95							9.95
9.96							9.96
9.97							9.97
9.98							9.98
9.99							9.99

PEARSON'S TYPE III FUNCTION—ORDINATES

125

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
9.50						.000001	9.50
9.51						.000001	9.51
9.52						.000001	9.52
9.53						.000001	9.53
9.54						.000001	9.54
9.55						.000001	9.55
9.56						.000001	9.56
9.57						.000001	9.57
9.58						.000001	9.58
9.59						.000001	9.59
9.60						.000001	9.60
9.61						.000001	9.61
9.62						.000001	9.62
9.63						.000001	9.63
9.64						.000001	9.64
9.65						.000001	9.65
9.66						.000001	9.66
9.67						.000001	9.67
9.68						.000001	9.68
9.69						.000001	9.69
9.70						.000001	9.70
9.71						.000001	9.71
9.72						.000001	9.72
9.73						.000001	9.73
9.74						.000001	9.74
9.75						.000001	9.75
9.76						.000001	9.76
9.77						.000001	9.77
9.78						.000001	9.78
9.79						.000001	9.79
9.80						.000001	9.80
9.81						.000001	9.81
9.82							9.82
9.83							9.83
9.84							9.84
9.85							9.85
9.86							9.86
9.87							9.87
9.88							9.88
9.89							9.89
9.90							9.90
9.91							9.91
9.92							9.92
9.93							9.93
9.94							9.94
9.95							9.95
9.96							9.96
9.97							9.97
9.98							9.98
9.99							9.99

TABLE III

DERIVATIVES OF THE STANDARDIZED
TYPE III FUNCTION

$$y = y_0 \left(1 + \frac{\alpha_3}{2} t\right)^{\frac{4}{\alpha_3^2} - 1} e^{-\frac{2}{\alpha_3} t}$$

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50	.000001						-5.50
-5.40	.000001						-5.40
-5.30	.000002						-5.40
-5.20	.000003						-5.30
-5.10	.000005	.000001					-5.20
-5.00	.000007	.000001					-5.10
							-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50							-5.50
-5.40							-5.40
-5.30							-5.30
-5.20							-5.20
-5.10							-5.10
-5.00							-5.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.90	.000012	.000002					-4.90
-4.80	.000019	.000003					-4.80
-4.70	.000030	.000006					-4.70
-4.60	.000047	.000011	.000001				-4.60
-4.50	.000072	.000019	.000002				-4.50
-4.40	.000110	.000032	.000005				-4.40
-4.30	.000166	.000055	.000009				-4.30
-4.20	.000248	.000090	.000019	.000001			-4.20
-4.10	.000366	.000147	.000036	.000003			-4.10
-4.00	.000535	.000235	.000066	.000008			-4.00
-3.90	.000775	.000370	.000120	.000018			-3.90
-3.80	.001109	.000573	.000212	.000040	.000001		-3.80
-3.70	.001572	.000874	.000364	.000087	.000005		-3.70
-3.60	.002203	.001313	.000609	.000177	.000017		-3.60
-3.50	.003054	.001941	.000995	.000344	.000049		-3.50
-3.40	.004190	.002825	.001586	.000641	.000128	.000003	-3.40
-3.30	.005684	.004049	.002470	.001146	.000302	.000017	-3.30
-3.20	.007629	.005717	.003760	.001974	.000661	.000069	-3.20
-3.10	.010127	.007950	.005598	.003277	.001344	.000234	-3.10
-3.00	.013296	.010890	.008154	.005256	.002561	.000662	-3.00
-2.90	.017262	.014698	.011630	.008159	.004601	.001623	-2.90
-2.80	.022163	.019545	.016246	.012275	.007834	.003540	-2.80
-2.70	.028136	.025608	.022239	.017924	.012700	.006991	-2.70
-2.60	.035316	.033062	.029844	.025438	.019681	.012685	-2.60
-2.50	.043821	.042064	.039276	.035127	.029254	.021390	-2.50
-2.40	.053747	.052738	.050708	.047251	.041831	.033818	-2.40
-2.30	.065152	.065158	.064244	.061970	.057693	.050508	-2.30
-2.20	.078044	.079330	.079895	.079313	.076923	.071689	-2.20
-2.10	.092366	.095172	.097548	.099136	.099346	.097186	-2.10
-2.00	.107982	.112500	.116952	.121097	.124495	.126364	-2.00
-1.90	.124670	.131014	.137704	.144643	.151607	.158125	-1.90
-1.80	.142110	.150291	.159241	.169016	.179627	.190976	-1.80
-1.70	.159883	.169790	.180854	.193275	.207285	.223136	-1.70
-1.60	.177473	.188856	.201707	.216340	.233159	.252688	-1.60
-1.50	.194276	.206743	.220876	.237054	.255782	.277745	-1.50
-1.40	.209618	.222645	.237390	.254249	.273749	.296608	-1.40
-1.30	.222779	.235726	.250291	.266832	.285824	.307909	-1.30
-1.20	.233023	.245172	.258688	.273853	.291033	.310712	-1.20
-1.10	.239637	.250235	.261823	.274582	.288736	.304576	-1.10
-1.00	.241971	.250281	.259120	.268557	.278673	.289564	-1.00
- .90	.239477	.244839	.250233	.255628	.260978	.266223	- .90
- .80	.231753	.233638	.235076	.235963	.236165	.235512	- .80
- .70	.218578	.216634	.213840	.210049	.205082	.198720	- .70
- .60	.199935	.194029	.186988	.178657	.168852	.157358	- .60
- .50	.176033	.166270	.155237	.142796	.128795	.113055	- .50
- .40	.147308	.134036	.119517	.103653	.086338	.067454	- .40
- .30	.114416	.098208	.080927	.062522	.042938	.022119	- .30
- .20	.078209	.059827	.040672	.020733	.000000	-.021537	- .20
- .10	.039695	.020043	.000000	-.020417	-.041192	-.062305	- .10
.00	.000000	-.019943	-.039861	-.059729	-.079523	-.099218	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.90							-4.90
-4.80							-4.80
-4.70							-4.70
-4.60							-4.60
-4.50							-4.50
-4.40							-4.40
-4.30							-4.30
-4.20							-4.20
-4.10							-4.10
-4.00							-4.00
-3.90							-3.90
-3.80							-3.80
-3.70							-3.70
-3.60							-3.60
-3.50							-3.50
-3.40							-3.40
-3.30							-3.30
-3.20							-3.20
-3.10	.000001						-3.10
-3.00	.000019						-3.00
-2.90	.000137						-2.90
-2.80	.000628						-2.80
-2.70		.0002066					-2.70
-2.60	.005395	.000536					-2.60
-2.50	.011851	.002918					-2.50
-2.40	.022763	.009573	.000364				-2.40
-2.30	.039266	.023160	.005119				-2.30
-2.20	.062013	.045673	.021161	.000121			-2.20
-2.10	.090955	.077731	.052860	.013697			-2.10
-2.00	.125234	.118306	.100022	.059683			-2.00
-1.90	.163228	.164867	.158494	.133204	.061132		-1.90
-1.80	.202703	.213833	.221819	.219728	.185902	.031381	-1.80
-1.70	.241060	.261146	.282948	.304226	.316115	.277318	-1.70
-1.60	.275619	.302858	.335559	.375014	.421770	.470105	-1.60
-1.50	.303895	.335595	.374866	.424825	.490506	.580401	-1.50
-1.40	.323832	.356881	.397950	.450518	.520464	.618649	-1.40
-1.30	.333974	.365290	.403738	.452231	.515552	.602164	-1.30
-1.20	.333548	.360455	.392746	.432376	.482398	.547863	-1.20
-1.10	.322482	.342963	.366717	.394732	.428455	.470099	-1.10
-1.00	.301350	.314173	.328212	.343691	.360894	.380193	-1.00
-.90	.271274	.276005	.280235	.283702	.286020	.286608	-.90
-.80	.233788	.230710	.225910	.218898	.209014	.195355	-.80
-.70	.190694	.180672	.168238	.152867	.133891	.110444	-.70
-.60	.143917	.128225	.109914	.088542	.063567	.034327	-.60
-.50	.095375	.075522	.053226	.028174	.000000	-.031726	-.50
-.40	.046869	.024439	.000000	-.026629	-.055654	-.087304	-.40
-.30	.000000	-.023484	-.048406	-.074843	-.102879	-.132606	-.30
-.20	-.043888	-.067064	-.091075	-.115932	-.141646	-.168230	-.20
-.10	-.083738	-.105473	-.127489	-.149766	-.172285	-.195025	-.10
.00	-.118789	-.138212	-.157465	-.176524	-.195367	-.213972	.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	.000000	-.019943	-.039861	-.059729	-.079523	-.099218	.00
.10	-.039695	-.058941	-.077764	-.096151	-.114088	-.131563	.10
.20	-.078209	-.095827	-.112693	-.128817	-.144210	-.158882	.20
.30	-.114416	-.129600	-.143805	-.157072	-.169444	-.180957	.30
.40	-.147308	-.159421	-.170454	-.180482	-.189571	-.197783	.40
.50	-.176033	-.184644	-.192211	-.198827	-.204577	-.209535	.50
.60	-.199935	-.204840	-.208859	-.212093	-.214627	-.216536	.60
.70	-.218578	-.219795	-.220388	-.220442	-.220032	-.219219	.70
.80	-.231753	-.229507	-.226967	-.224189	-.221217	-.218089	.80
.90	-.239477	-.234167	-.228926	-.223762	-.218684	-.213694	.90
1.00	-.241971	-.234132	-.226714	-.219676	-.212981	-.206595	1.00
1.10	-.239637	-.229889	-.220873	-.212494	-.204374	-.197346	1.10
1.20	-.233023	-.222022	-.211994	-.202799	-.194322	-.186470	1.20
1.30	-.222779	-.211174	-.200694	-.191168	-.182458	-.174450	1.30
1.40	-.209618	-.198009	-.187582	-.178152	-.169571	-.161717	1.40
1.50	-.194276	-.183183	-.173236	-.164256	-.156099	-.148647	1.50
1.60	-.177473	-.167315	-.158186	-.149931	-.142423	-.135559	1.60
1.70	-.159883	-.150967	-.142899	-.135563	-.128862	-.122712	1.70
1.80	-.142110	-.134628	-.127773	-.121475	-.115674	-.110315	1.80
1.90	-.124670	-.118709	-.113132	-.107924	-.103063	-.098523	1.90
2.00	-.107982	-.103534	-.099229	-.095105	-.091177	-.087449	2.00
2.10	-.092366	-.089346	-.086249	-.083156	-.080118	-.077165	2.10
2.20	-.078044	-.076312	-.074312	-.072165	-.069947	-.067712	2.20
2.30	-.065152	-.064527	-.063487	-.062176	-.060692	-.059103	2.30
2.40	-.053747	-.054029	-.053795	-.053200	-.052351	-.051327	2.40
2.50	-.043821	-.044806	-.045221	-.045215	-.044900	-.044359	2.50
2.60	-.035316	-.036811	-.037720	-.038180	-.038300	-.038160	2.60
2.70	-.028136	-.029964	-.031226	-.032039	-.032498	-.032681	2.70
2.80	-.022163	-.024172	-.025661	-.026723	-.027436	-.027870	2.80
2.90	-.017262	-.019326	-.020937	-.022158	-.023050	-.023670	2.90
3.00	-.013296	-.015318	-.016964	-.018268	-.019273	-.020023	3.00
3.10	-.010127	-.012037	-.013651	-.014978	-.016042	-.016874	3.10
3.20	-.007629	-.009379	-.010911	-.012214	-.013293	-.014168	3.20
3.30	-.005684	-.007247	-.008665	-.009908	-.010969	-.011854	3.30
3.40	-.004190	-.005554	-.006837	-.007996	-.009013	-.009884	3.40
3.50	-.003054	-.004222	-.005361	-.006422	-.007376	-.008214	3.50
3.60	-.002203	-.003184	-.004178	-.005132	-.006013	-.006805	3.60
3.70	-.001572	-.002382	-.003236	-.004082	-.004883	-.005620	3.70
3.80	-.001109	-.001768	-.002492	-.003232	-.003951	-.004627	3.80
3.90	-.000775	-.001303	-.001908	-.002547	-.003185	-.003799	3.90
4.00	-.000535	-.000952	-.001452	-.001999	-.002559	-.003110	4.00
4.10	-.000366	-.000691	-.001100	-.001561	-.002049	-.002539	4.10
4.20	-.000248	-.000498	-.000828	-.001215	-.001635	-.002067	4.20
4.30	-.000166	-.000356	-.000620	-.000941	-.001301	-.001679	4.30
4.40	-.000110	-.000253	-.000462	-.000726	-.001031	-.001360	4.40
4.50	-.000072	-.000178	-.000342	-.000558	-.000815	-.001099	4.50
4.60	-.000047	-.000125	-.000252	-.000428	-.000642	-.000886	4.60
4.70	-.000030	-.000087	-.000185	-.000326	-.000505	-.000713	4.70
4.80	-.000019	-.000060	-.000135	-.000248	-.000396	-.000572	4.80
4.90	-.000012	-.000041	-.000098	-.000188	-.000309	-.000458	4.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	-.118789	-.138212	-.157465	-.176524	-.195367	-.213972	.00
.10	-.148563	-.165078	-.181098	-.196613	-.211618	-.226104	.10
.20	-.172846	-.186112	-.198692	-.210598	-.221843	-.232441	.20
.30	-.191649	-.201555	-.210707	-.219137	-.226877	-.233955	.30
.40	-.205174	-.211799	-.217704	-.222936	-.227536	-.231545	.40
.50	-.213769	-.217340	-.220302	-.222707	-.224598	-.226019	.50
.60	-.217887	-.218739	-.219142	-.219142	-.218780	-.218092	.60
.70	-.218055	-.216587	-.214854	-.212890	-.210726	-.208386	.70
.80	-.214834	-.211479	-.208044	-.204548	-.201006	-.197431	.80
.90	-.208794	-.203987	-.199272	-.194648	-.190114	-.185671	.90
1.00	-.200493	-.194649	-.189043	-.183655	-.178470	-.173473	1.00
1.10	-.190456	-.183956	-.177806	-.171972	-.166424	-.161137	1.10
1.20	-.179166	-.172343	-.165948	-.159935	-.154263	-.148900	1.20
1.30	-.167053	-.160191	-.153798	-.147823	-.142218	-.136946	1.30
1.40	-.154494	-.147820	-.141627	-.135859	-.130469	-.125416	1.40
1.50	-.141806	-.135497	-.129653	-.124221	-.119153	-.114410	1.50
1.60	-.129254	-.123437	-.118049	-.113040	-.108368	-.103997	1.60
1.70	-.117047	-.111807	-.106944	-.102415	-.098185	-.094223	1.70
1.80	-.105348	-.100733	-.096431	-.092411	-.088645	-.085109	1.80
1.90	-.094278	-.090302	-.086573	-.083069	-.079770	-.076660	1.90
2.00	-.083916	-.080572	-.077405	-.074407	-.071565	-.068870	2.00
2.10	-.074314	-.071572	-.068944	-.066428	-.064021	-.061721	2.10
2.20	-.065493	-.063313	-.061186	-.059120	-.057120	-.055189	2.20
2.30	-.057456	-.055786	-.054116	-.052462	-.050835	-.049243	2.30
2.40	-.050187	-.048971	-.047709	-.046425	-.045135	-.043849	2.40
2.50	-.043655	-.042835	-.041933	-.040977	-.039985	-.038973	2.50
2.60	-.037824	-.037342	-.036750	-.036078	-.035348	-.034578	2.60
2.70	-.032648	-.032449	-.032119	-.031691	-.031187	-.030627	2.70
2.80	-.028079	-.028110	-.027999	-.027776	-.027464	-.027084	2.80
2.90	-.024066	-.024280	-.024346	-.024293	-.024143	-.023915	2.90
3.00	-.020558	-.020913	-.021120	-.021204	-.021187	-.021087	3.00
3.10	-.017505	-.017965	-.018279	-.018472	-.018563	-.018568	3.10
3.20	-.014860	-.015393	-.015787	-.016063	-.016238	-.016329	3.20
3.30	-.012578	-.013156	-.013606	-.013944	-.014184	-.014342	3.30
3.40	-.010616	-.011218	-.011703	-.012084	-.012373	-.012582	3.40
3.50	-.008935	-.009543	-.010046	-.010455	-.010778	-.011026	3.50
3.60	-.007501	-.008100	-.008609	-.009032	-.009377	-.009652	3.60
3.70	-.006280	-.006862	-.007364	-.007791	-.008148	-.008440	3.70
3.80	-.005246	-.005800	-.006288	-.006711	-.007071	-.007374	3.80
3.90	-.004371	-.004893	-.005361	-.005773	-.006130	-.006436	3.90
4.00	-.003634	-.004120	-.004563	-.004959	-.005309	-.005612	4.00
4.10	-.003014	-.003463	-.003878	-.004255	-.004592	-.004889	4.10
4.20	-.002495	-.002906	-.003291	-.003646	-.003969	-.004256	4.20
4.30	-.002061	-.002434	-.002789	-.003121	-.003426	-.003702	4.30
4.40	-.001699	-.002035	-.002360	-.002669	-.002955	-.003218	4.40
4.50	-.001397	-.001699	-.001995	-.002279	-.002547	-.002795	4.50
4.60	-.001147	-.001416	-.001684	-.001944	-.002193	-.002425	4.60
4.70	-.000940	-.001179	-.001420	-.001657	-.001886	-.002104	4.70
4.80	-.000769	-.000979	-.001195	-.001411	-.001621	-.001823	4.80
4.90	-.000628	-.000813	-.001005	-.001200	-.001393	-.001579	4.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	-.000007	-.000028	-.000071	-.000142	-.000241	-.000366	5.00
5.10	-.000005	-.000019	-.000051	-.000106	-.000187	-.000292	5.10
5.20	-.000003	-.000013	-.000036	-.000080	-.000145	-.000232	5.20
5.30	-.000002	-.000008	-.000026	-.000060	-.000112	-.000184	5.30
5.40	-.000001	-.000006	-.000018	-.000044	-.000087	-.000146	5.40
5.50	-.000001	-.000004	-.000013	-.000033	-.000067	-.000116	5.50
5.60		-.000002	-.000009	-.000024	-.000051	-.000091	5.60
5.70		-.000002	-.000006	-.000018	-.000039	-.000072	5.70
5.80		-.000001	-.000004	-.000013	-.000030	-.000057	5.80
5.90		-.000001	-.000003	-.000010	-.000023	-.000044	5.90
6.00			-.000002	-.000007	-.000017	-.000035	6.00
6.10			-.000001	-.000005	-.000013	-.000027	6.10
6.20			-.000001	-.000004	-.000010	-.000021	6.20
6.30			-.000001	-.000003	-.000008	-.000017	6.30
6.40				-.000002	-.000006	-.000013	6.40
6.50				-.000001	-.000004	-.000010	6.50
6.60				-.000001	-.000003	-.000008	6.60
6.70				-.000001	-.000002	-.000006	6.70
6.80				-.000001	-.000002	-.000005	6.80
6.90					-.000001	-.000004	6.90
7.00					-.000001	-.000003	7.00
7.10					-.000001	-.000002	7.10
7.20					-.000001	-.000002	7.20
7.30						-.000001	7.30
7.40						-.000001	7.40
7.50						-.000001	7.50
7.60						-.000001	7.60
7.70							7.70
7.80							7.80
7.90							7.90
8.00							8.00
8.10							8.10
8.20							8.20
8.30							8.30
8.40							8.40
8.50							8.50
8.60							8.60
8.70							8.70
8.80							8.80
8.90							8.90
9.00							9.00
9.10							9.10
9.20							9.20
9.30							9.30
9.40							9.40
9.50							9.50
9.60							9.60
9.70							9.70
9.80							9.80
9.90							9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	-.000512	-.000674	-.000845	-.001020	-.001195	-.001367	5.00
5.10	-.000417	-.000557	-.000709	-.000866	-.001025	-.001182	5.10
5.20	-.000339	-.000461	-.000594	-.000735	-.000878	-.001022	5.20
5.30	-.000275	-.000380	-.000497	-.000623	-.000752	-.000883	5.30
5.40	-.000223	-.000314	-.000416	-.000527	-.000644	-.000763	5.40
5.50	-.000180	-.000258	-.000348	-.000446	-.000551	-.000658	5.50
5.60	-.000145	-.000212	-.000290	-.000377	-.000471	-.000568	5.60
5.70	-.000117	-.000174	-.000242	-.000319	-.000402	-.000490	5.70
5.80	-.000094	-.000143	-.000202	-.000269	-.000343	-.000422	5.80
5.90	-.000076	-.000117	-.000168	-.000227	-.000293	-.000364	5.90
6.00	-.000061	-.000096	-.000140	-.000191	-.000250	-.000313	6.00
6.10	-.000049	-.000079	-.000116	-.000161	-.000213	-.000269	6.10
6.20	-.000039	-.000064	-.000097	-.000136	-.000181	-.000232	6.20
6.30	-.000031	-.000052	-.000080	-.000114	-.000154	-.000199	6.30
6.40	-.000025	-.000043	-.000066	-.000096	-.000131	-.000171	6.40
6.50	-.000020	-.000035	-.000055	-.000081	-.000112	-.000147	6.50
6.60	-.000016	-.000028	-.000046	-.000068	-.000095	-.000126	6.60
6.70	-.000013	-.000023	-.000038	-.000057	-.000081	-.000109	6.70
6.80	-.000010	-.000019	-.000031	-.000048	-.000069	-.000093	6.80
6.90	-.000008	-.000015	-.000026	-.000040	-.000058	-.000080	6.90
7.00	-.000006	-.000012	-.000021	-.000034	-.000049	-.000069	7.00
7.10	-.000005	-.000010	-.000018	-.000028	-.000042	-.000059	7.10
7.20	-.000004	-.000008	-.000014	-.000024	-.000035	-.000050	7.20
7.30	-.000003	-.000007	-.000012	-.000020	-.000030	-.000043	7.30
7.40	-.000003	-.000005	-.000010	-.000016	-.000025	-.000037	7.40
7.50	-.000002	-.000004	-.000008	-.000014	-.000022	-.000032	7.50
7.60	-.000002	-.000003	-.000007	-.000012	-.000018	-.000027	7.60
7.70	-.000001	-.000003	-.000005	-.000010	-.000015	-.000023	7.70
7.80	-.000001	-.000002	-.000005	-.000008	-.000013	-.000020	7.80
7.90	-.000001	-.000002	-.000004	-.000007	-.000011	-.000017	7.90
8.00	-.000001	-.000001	-.000003	-.000006	-.000009	-.000014	8.00
8.10		-.000001	-.000002	-.000005	-.000008	-.000012	8.10
8.20		-.000001	-.000002	-.000004	-.000007	-.000011	8.20
8.30		-.000001	-.000002	-.000003	-.000006	-.000009	8.30
8.40		-.000001	-.000001	-.000003	-.000005	-.000008	8.40
8.50			-.000001	-.000002	-.000004	-.000007	8.50
8.60			-.000001	-.000002	-.000003	-.000006	8.60
8.70			-.000001	-.000002	-.000003	-.000005	8.70
8.80			-.000001	-.000001	-.000002	-.000004	8.80
8.90			-.000001	-.000001	-.000002	-.000003	8.90
9.00				-.000001	-.000002	-.000003	9.00
9.10				-.000001	-.000001	-.000003	9.10
9.20				-.000001	-.000001	-.000002	9.20
9.30				-.000001	-.000001	-.000002	9.30
9.40					-.000001	-.000002	9.40
9.50					-.000001	-.000001	9.50
9.60					-.000001	-.000001	9.60
9.70					-.000001	-.000001	9.70
9.80						-.000001	9.80
9.90						-.000001	9.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
10.00							10.00
10.10							10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
10.00						-.000001	10.00
10.10						-.000001	10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS					t	
	.0	.1	.2	.3	.4		.5
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80	.000001						-5.80
-5.70	.000001						-5.70
-5.60	.000002						-5.60
-5.50	.000003						-5.50
-5.40	.000005						-5.40
-5.30	.000009	.000001					-5.30
-5.20	.000014	.000002					-5.20
-5.10	.000022	.000003					-5.10
-5.00	.000036	.000006					-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50							-5.50
-5.40							-5.40
-5.30							-5.30
-5.20							-5.20
-5.10							-5.10
-5.00							-5.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.90	.000056	.000011	.000001				-4.90
-4.80	.000087	.000020	.000002				-4.80
-4.70	.000134	.000036	.000004				-4.70
-4.60	.000204	.000061	.000008				-4.60
-4.50	.000308	.000103	.000017				-4.50
-4.40	.000458	.000171	.000034	.000001			-4.40
-4.30	.000674	.000279	.000066	.000004			-4.30
-4.20	.000981	.000446	.000124	.000011			-4.20
-4.10	.001411	.000702	.000227	.000029			-4.10
-4.00	.002007	.001085	.000404	.000068	.000001		-4.00
-3.90	.002823	.001650	.000698	.000151	.000005		-3.90
-3.80	.003924	.002465	.001174	.000318	.000020		-3.80
-3.70	.005390	.003622	.001921	.000638	.000065		-3.70
-3.60	.007318	.005233	.003063	.001216	.000190		-3.60
-3.50	.009818	.007435	.004759	.002213	.000493	.000008	-3.50
-3.40	.013012	.010387	.007210	.003855	.001157	.000056	-3.40
-3.30	.017036	.014272	.010658	.006445	.002482	.000259	-3.30
-3.20	.022029	.019282	.015376	.010360	.004921	.000914	-3.20
-3.10	.028127	.025617	.021661	.016039	.009087	.002622	-3.10
-3.00	.035455	.033464	.029805	.023959	.015732	.006377	-3.00
-2.90	.044108	.042977	.040072	.034578	.025682	.013553	-2.90
-2.80	.054142	.054254	.052649	.048276	.039717	.025751	-2.80
-2.70	.065547	.067309	.067607	.065269	.058421	.044473	-2.70
-2.60	.078238	.082041	.084853	.085530	.082005	.070719	-2.60
-2.50	.092024	.098208	.104081	.108701	.110147	.104574	-2.50
-2.40	.106598	.115397	.124739	.134041	.141874	.144908	-2.40
-2.30	.121523	.133016	.146010	.160398	.175522	.189277	-2.30
-2.20	.136222	.150286	.166813	.186228	.208791	.234060	-2.20
-2.10	.149984	.166250	.185835	.209664	.238900	.274831	-2.10
-2.00	.161973	.179808	.201589	.228635	.262822	.306883	-2.00
-1.90	.171257	.189761	.212507	.241024	.277610	.325833	-1.90
-1.80	.176848	.194883	.217043	.244859	.280668	.328187	-1.80
-1.70	.177753	.193997	.213810	.238508	.270098	.311788	-1.70
-1.60	.173036	.186074	.201707	.220856	.244914	.276085	-1.60
-1.50	.161897	.170327	.180042	.191456	.205187	.222196	-1.50
-1.40	.143738	.146302	.148634	.150619	.152083	.152768	-1.40
-1.30	.118244	.113955	.107884	.099440	.087784	.071682	-1.30
-1.20	.085442	.073710	.058793	.039758	.015318	-.016353	-1.20
-1.10	.045749	.026480	.002942	-.025961	-.061696	-.106262	-1.10
-1.00	.000000	-.026345	-.057582	-.094785	-.139336	-.193043	-1.00
-.90	-.050556	-.082945	-.120304	-.163523	-.213693	-.272169	-.90
-.80	-.104289	-.141156	-.182513	-.228950	-.281149	-.339887	-.80
-.70	-.159250	-.198588	-.241433	-.288031	-.338624	-.393425	-.70
-.60	-.213264	-.252765	-.294407	-.338118	-.383756	-.431081	-.60
-.50	-.264049	-.301276	-.339069	-.377114	-.415005	-.452220	-.50
-.40	-.309347	-.341929	-.373489	-.403584	-.431690	-.457186	-.40
-.30	-.347063	-.372891	-.396290	-.416811	-.433951	-.447153	-.30
-.20	-.375401	-.392803	-.406717	-.416794	-.422664	-.423938	-.20
-.10	-.392983	-.400862	-.404661	-.404202	-.399307	-.389805	-.10
.00	-.398942	-.396865	-.390638	-.380276	-.365806	-.347261	.00

PEARSON'S TYPE III FUNCTION—SECOND DERIVATIVE 141

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.90							-4.90
-4.80							-4.80
-4.70							-4.70
-4.60							-4.60
-4.50							-4.50
-4.40							-4.40
-4.30							-4.30
-4.20							-4.20
-4.10							-4.10
-4.00							-4.00
-3.90							-3.90
-3.80							-3.80
-3.70							-3.70
-3.60							-3.60
-3.50							-3.50
-3.40							-3.40
-3.30							-3.30
-3.20	.000008						-3.20
-3.10	.000036						-3.10
-3.00	.000442						-3.00
-2.90	.002377						-2.90
-2.80	.008378						-2.80
-2.70	.021975	.001288					-2.70
-2.60	.046701	.011088					-2.60
-2.50	.084682	.040658					-2.50
-2.40	.135492	.097040	.014364				-2.40
-2.30	.195696	.178156	.093291				-2.30
-2.20	.259189	.273180	.235123	.015680			-2.20
-2.10	.318205	.366237	.398395	.290543			-2.10
-2.00	.364653	.440957	.537617	.618006			-2.00
-1.90	.391464	.484203	.620767	.826786	1.056709		-1.90
-1.80	.393656	.488248	.633769	.878055	1.344215	2.171541	-1.80
-1.70	.368970	.451364	.578139	.792281	1.211776	2.318708	-1.70
-1.60	.318022	.377196	.466054	.611436	.881883	1.511052	-1.60
-1.50	.244037	.273391	.315228	.379697	.490506	.715683	-1.50
-1.40	.152272	.149950	.144709	.134579	.115659	.079111	-1.40
-1.30	.049275	.017638	-.028037	-.096151	-.202538	-.380314	-1.30
-1.20	-.057908	-.113328	-.188820	-.294517	-.447941	-.681730	-1.20
-1.10	-.162444	-.234218	-.327426	-.450951	-.618879	-.854725	-1.10
-1.00	-.258300	-.338340	-.437616	-.562403	-.721788	-.929360	-1.00
-.90	-.340641	-.421241	-.516683	-.630449	-.767053	-.932389	-.90
-.80	-.406052	-.480646	-.564776	-.659627	-.766385	-.886072	-.80
-.70	-.452596	-.516205	-.584160	-.656102	-.731248	-.808124	-.70
-.60	-.479724	-.529131	-.578496	-.626664	-.671992	-.712150	-.60
-.50	-.488097	-.521789	-.552221	-.578022	-.597445	-.608256	-.50
-.40	-.479345	-.497304	-.510042	-.516352	-.514799	-.503678	-.40
-.30	-.455795	-.459186	-.456554	-.447036	-.429670	-.403375	-.30
-.20	-.420207	-.411038	-.395979	-.374550	-.346246	-.310536	-.20
-.10	-.375528	-.356312	-.332002	-.302445	-.267495	-.227013	-.10
.00	-.324689	-.298144	-.267691	-.233404	-.195367	-.153671	.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	-.398942	-.396865	-.390638	-.380276	-.365806	-.347261	.00
.10	-.392983	-.381208	-.365722	-.346712	-.324368	-.298881	.10
.20	-.375401	-.354845	-.331450	-.305516	-.277327	-.247150	.20
.30	-.347063	-.319212	-.289703	-.258865	-.226991	-.194347	.30
.40	-.309347	-.276121	-.242569	-.208963	-.175528	-.142459	.40
.50	-.264049	-.227632	-.192211	-.157924	-.124871	-.093127	.50
.60	-.213264	-.175927	-.140741	-.107668	-.076652	-.047627	.60
.70	-.159250	-.123170	-.090112	-.059849	-.032168	-.006874	.70
.80	-.104289	-.071396	-.042031	-.015803	.007628	.028559	.80
.90	-.050556	-.022408	.002100	.023470	.042119	.058401	.90
1.00	.000000	.022298	.041221	.057307	.070994	.082638	1.00
1.10	.045749	.061582	.074619	.085362	.094207	.101468	1.10
1.20	.085442	.094674	.101920	.107574	.111937	.115246	1.20
1.30	.118244	.121175	.123055	.124117	.124535	.124440	1.30
1.40	.143738	.141025	.138219	.135360	.132477	.129592	1.40
1.50	.161897	.154462	.147816	.141807	.136322	.131273	1.50
1.60	.173036	.161963	.152411	.144058	.136668	.130063	1.60
1.70	.177753	.164185	.152670	.142759	.134125	.126521	1.70
1.80	.176848	.161901	.149315	.138570	.129283	.121170	1.80
1.90	.171257	.155944	.143079	.132127	.122694	.114484	1.90
2.00	.161973	.147151	.134668	.124028	.114859	.106882	2.00
2.10	.149984	.136328	.122839	.114809	.106219	.098724	2.10
2.20	.136222	.124207	.113878	.104940	.097149	.090313	2.20
2.30	.121523	.111433	.102586	.094814	.087962	.081894	2.30
2.40	.106598	.098547	.091279	.084754	.078907	.073662	2.40
2.50	.092024	.085981	.080285	.075012	.070177	.065763	2.50
2.60	.078238	.074064	.069851	.065773	.061913	.058305	2.60
2.70	.065547	.063024	.060152	.057169	.054212	.051357	2.70
2.80	.054142	.053008	.051295	.049280	.047134	.044963	2.80
2.90	.044108	.044085	.043335	.042146	.040707	.039139	2.90
3.00	.035455	.036269	.036285	.035776	.034933	.033885	3.00
3.10	.028127	.029527	.030122	.030152	.029797	.029186	3.10
3.20	.022029	.023795	.024799	.025238	.025271	.025017	3.20
3.30	.017036	.018986	.020254	.020987	.021315	.021343	3.30
3.40	.013012	.015004	.016415	.017341	.017883	.018129	3.40
3.50	.009818	.011746	.013204	.014242	.014928	.015334	3.50
3.60	.007318	.009111	.010544	.011628	.012402	.012917	3.60
3.70	.005390	.007004	.008361	.009440	.010254	.010839	3.70
3.80	.003924	.005336	.006585	.007621	.008441	.009061	3.80
3.90	.002823	.004031	.005151	.006120	.006918	.007548	3.90
4.00	.002007	.003019	.004003	.004890	.005646	.006266	4.00
4.10	.001411	.002242	.003091	.003887	.004590	.005184	4.10
4.20	.000981	.001652	.002372	.003075	.003716	.004275	4.20
4.30	.000674	.001207	.001810	.002421	.002997	.003515	4.30
4.40	.000458	.000875	.001372	.001897	.002409	.002881	4.40
4.50	.000308	.000629	.001034	.001480	.001929	.002355	4.50
4.60	.000204	.000449	.000775	.001150	.001539	.001919	4.60
4.70	.000134	.000318	.000578	.000889	.001224	.001560	4.70
4.80	.000087	.000224	.000428	.000685	.000970	.001265	4.80
4.90	.000056	.000156	.000316	.000525	.000767	.001023	4.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	.324689	.298144	.267691	.233404	.195367	.153671	.00
.10	.270442	.239243	.205476	.169332	.131001	.090672	.10
.20	.215242	.181842	.147179	.111467	.074908	.037693	.20
.30	.161173	.127682	.094065	.060496	.027127	.005906	.30
.40	.109915	.078031	.046919	.016670	.012641	.040955	.40
.50	.062736	.033730	.006120	.020094	.044920	.068375	.50
.60	.020517	.004757	.028276	.050122	.070377	.089119	.60
.70	.016219	.037278	.056460	.073908	.089753	.104118	.70
.80	.047251	.063932	.078805	.092047	.103816	.114254	.80
.90	.072612	.085008	.095804	.105187	.113319	.120340	.90
1.00	.092535	.100929	.108025	.113993	.118980	.123110	1.00
1.10	.107400	.112210	.116068	.119113	.121463	.123215	1.10
1.20	.117687	.119411	.120537	.121163	.121369	.121222	1.20
1.30	.123938	.123108	.122015	.120710	.119234	.117620	1.30
1.40	.126718	.123868	.121049	.118266	.115524	.112825	1.40
1.50	.126593	.122229	.118138	.114285	.110642	.107185	1.50
1.60	.124106	.118689	.113730	.109161	.104928	.100987	1.60
1.70	.119760	.113697	.108217	.103232	.098668	.094466	1.70
1.80	.114013	.107646	.101936	.096780	.092094	.087811	1.80
1.90	.107270	.100878	.095170	.090039	.085395	.081170	1.90
2.00	.099878	.093681	.088156	.083198	.078722	.074658	2.00
2.10	.092132	.086292	.081084	.076409	.072189	.068360	2.10
2.20	.084273	.078905	.074104	.069787	.065884	.062340	2.20
2.30	.076495	.071668	.067332	.063418	.059870	.056640	2.30
2.40	.068947	.064697	.060854	.057366	.054190	.051288	2.40
2.50	.061741	.058075	.054730	.051672	.048870	.046297	2.50
2.60	.054956	.051859	.049000	.046362	.043925	.041672	2.60
2.70	.048642	.046084	.043686	.041446	.039357	.037410	2.70
2.80	.042828	.040765	.038796	.036927	.035163	.033501	2.80
2.90	.037523	.035908	.034327	.032797	.031330	.029931	2.90
3.00	.032722	.031503	.030268	.029043	.027845	.026685	3.00
3.10	.028411	.027535	.026603	.025648	.024689	.023743	3.10
3.20	.024565	.023980	.023311	.022590	.021843	.021085	3.20
3.30	.021156	.020815	.020367	.019848	.019284	.018692	3.30
3.40	.018152	.018009	.017747	.017399	.016991	.016543	3.40
3.50	.015519	.015535	.015424	.015218	.014942	.014618	3.50
3.60	.013222	.013362	.013372	.013283	.013118	.012897	3.60
3.70	.011229	.011461	.011566	.011570	.011497	.011363	3.70
3.80	.009506	.009804	.009981	.010060	.010060	.009998	3.80
3.90	.008024	.008366	.008596	.008731	.008789	.008785	3.90
4.00	.006753	.007122	.007387	.007564	.007668	.007711	4.00
4.10	.005668	.006049	.006336	.006543	.006680	.006760	4.10
4.20	.004745	.005126	.005425	.005651	.005813	.005919	4.20
4.30	.003961	.004334	.004636	.004873	.005051	.005178	4.30
4.40	.003299	.003658	.003955	.004196	.004384	.004525	4.40
4.50	.002742	.003080	.003369	.003608	.003800	.003950	4.50
4.60	.002273	.002589	.002865	.003098	.003291	.003446	4.60
4.70	.001880	.002173	.002433	.002657	.002847	.003003	4.70
4.80	.001552	.001820	.002062	.002276	.002460	.002614	4.80
4.90	.001278	.001522	.001746	.001947	.002124	.002274	4.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	.000036	.000108	.000232	.000401	.000604	.000825	5.00
5.10	.000022	.000074	.000169	.000305	.000474	.000664	5.10
5.20	.000014	.000051	.000123	.000232	.000371	.000533	5.20
5.30	.000009	.000034	.000089	.000175	.000290	.000427	5.30
5.40	.000005	.000023	.000064	.000132	.000226	.000341	5.40
5.50	.000003	.000015	.000046	.000099	.000175	.000272	5.50
5.60	.000002	.000010	.000032	.000074	.000136	.000216	5.60
5.70	.000001	.000007	.000023	.000055	.000105	.000172	5.70
5.80	.000001	.000004	.000016	.000041	.000081	.000136	5.80
5.90		.000003	.000011	.000030	.000062	.000108	5.90
6.00		.000002	.000008	.000022	.000048	.000085	6.00
6.10		.000001	.000006	.000016	.000036	.000067	6.10
6.20		.000001	.000004	.000012	.000028	.000053	6.20
6.30			.000003	.000009	.000021	.000041	6.30
6.40			.000002	.000006	.000016	.000032	6.40
6.50			.000001	.000005	.000012	.000025	6.50
6.60			.000001	.000003	.000009	.000020	6.60
6.70			.000001	.000002	.000007	.000015	6.70
6.80				.000002	.000005	.000012	6.80
6.90				.000001	.000004	.000009	6.90
7.00				.000001	.000003	.000007	7.00
7.10				.000001	.000002	.000006	7.10
7.20					.000002	.000004	7.20
7.30					.000001	.000003	7.30
7.40					.000001	.000003	7.40
7.50					.000001	.000002	7.50
7.60					.000001	.000002	7.60
7.70						.000001	7.70
7.80						.000001	7.80
7.90						.000001	7.90
8.00						.000001	8.00
8.10							8.10
8.20							8.20
8.30							8.30
8.40							8.40
8.50							8.50
8.60							8.60
8.70							8.70
8.80							8.80
8.90							8.90
9.00							9.00
9.10							9.10
9.20							9.20
9.30							9.30
9.40							9.40
9.50							9.50
9.60							9.60
9.70							9.70
9.80							9.80
9.90							9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	.001051	.001270	.001476	.001664	.001832	.001977	5.00
5.10	.000862	.001059	.001247	.001421	.001578	.001717	5.10
5.20	.000706	.000881	.001051	.001212	.001359	.001491	5.20
5.30	.000577	.000732	.000885	.001032	.001169	.001293	5.30
5.40	.000471	.000607	.000745	.000878	.001004	.001121	5.40
5.50	.000383	.000503	.000626	.000747	.000863	.000971	5.50
5.60	.000312	.000416	.000525	.000634	.000740	.000840	5.60
5.70	.000253	.000344	.000440	.000538	.000635	.000727	5.70
5.80	.000205	.000284	.000369	.000456	.000544	.000629	5.80
5.90	.000166	.000234	.000309	.000387	.000466	.000543	5.90
6.00	.000134	.000193	.000258	.000327	.000399	.000469	6.00
6.10	.000108	.000158	.000215	.000277	.000341	.000405	6.10
6.20	.000087	.000130	.000180	.000234	.000291	.000349	6.20
6.30	.000070	.000107	.000150	.000198	.000249	.000301	6.30
6.40	.000056	.000087	.000125	.000167	.000212	.000260	6.40
6.50	.000045	.000072	.000104	.000141	.000181	.000224	6.50
6.60	.000036	.000058	.000086	.000119	.000154	.000193	6.60
6.70	.000029	.000048	.000072	.000100	.000132	.000166	6.70
6.80	.000023	.000039	.000059	.000084	.000112	.000143	6.80
6.90	.000018	.000032	.000049	.000071	.000095	.000123	6.90
7.00	.000015	.000026	.000041	.000059	.000081	.000105	7.00
7.10	.000012	.000021	.000034	.000050	.000069	.000091	7.10
7.20	.000009	.000017	.000028	.000042	.000059	.000078	7.20
7.30	.000007	.000014	.000023	.000035	.000050	.000067	7.30
7.40	.000006	.000011	.000019	.000029	.000042	.000057	7.40
7.50	.000005	.000009	.000016	.000025	.000036	.000049	7.50
7.60	.000004	.000007	.000013	.000021	.000030	.000042	7.60
7.70	.000003	.000006	.000011	.000017	.000026	.000036	7.70
7.80	.000002	.000005	.000009	.000015	.000022	.000031	7.80
7.90	.000002	.000004	.000007	.000012	.000019	.000027	7.90
8.00	.000001	.000003	.000006	.000010	.000016	.000023	8.00
8.10	.000001	.000003	.000005	.000008	.000013	.000019	8.10
8.20	.000001	.000002	.000004	.000007	.000011	.000017	8.20
8.30	.000001	.000002	.000003	.000006	.000010	.000014	8.30
8.40	.000001	.000001	.000003	.000005	.000008	.000012	8.40
8.50		.000001	.000002	.000004	.000007	.000010	8.50
8.60		.000001	.000002	.000003	.000006	.000009	8.60
8.70		.000001	.000002	.000003	.000005	.000008	8.70
8.80		.000001	.000001	.000002	.000004	.000007	8.80
8.90			.000001	.000002	.000003	.000006	8.90
9.00			.000001	.000002	.000003	.000005	9.00
9.10			.000001	.000001	.000002	.000004	9.10
9.20			.000001	.000001	.000002	.000003	9.20
9.30				.000001	.000002	.000003	9.30
9.40				.000001	.000001	.000003	9.40
9.50				.000001	.000001	.000002	9.50
9.60				.000001	.000001	.000002	9.60
9.70					.000001	.000002	9.70
9.80					.000001	.000001	9.80
9.90					.000001	.000001	9.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
10.00							10.00
10.10							10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
10.00					.000001	.000001	10.00
10.10						.000001	10.10
10.20						.000001	10.20
10.30						.000001	10.30
10.40						.000001	10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00	.000001						-6.00
-5.90	.000002						-5.90
-5.80	.000004						-5.80
-5.70	.000006						-5.70
-5.60	.000010						-5.60
-5.50	.000016	.000002					-5.50
-5.40	.000026	.000003					-5.40
-5.30	.000042	.000006					-5.30
-5.20	.000067	.000012					-5.20
-5.10	.000105	.000021					-5.10
-5.00	.000164	.000038	.000003				-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50							-5.50
-5.40							-5.40
-5.30							-5.30
-5.20							-5.20
-5.10							-5.10
-5.00							-5.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.90	.000251	.000067	.000006				-4.90
-4.80	.000381	.000116	.000014				-4.80
-4.70	.000572	.000196	.000029				-4.70
-4.60	.000847	.000326	.000060				-4.60
-4.50	.001241	.000531	.000120				-4.50
-4.40	.001795	.000850	.000230	.000016			-4.40
-4.30	.002567	.001336	.000427	.000043			-4.30
-4.20	.003624	.002060	.000768	.000109			-4.20
-4.10	.005054	.003119	.001340	.000255			-4.10
-4.00	.006959	.004637	.002267	.000563	.000018		-4.00
-3.90	.009460	.006766	.003724	.001168	.000073		-3.90
-3.80	.012692	.009694	.005942	.002293	.000251		-3.80
-3.70	.016801	.013632	.009213	.004267	.000740		-3.70
-3.60	.021940	.018816	.013889	.007556	.001917		-3.60
-3.50	.028253	.025486	.020368	.012760	.004442	.000178	-3.50
-3.40	.035863	.033867	.029060	.020595	.009325	.000949	-3.40
-3.30	.044851	.044140	.040347	.031834	.017934	.003585	-3.30
-3.20	.055235	.056401	.054515	.047196	.031871	.010507	-3.20
-3.10	.066940	.070617	.071673	.067197	.052709	.025309	-3.10
-3.00	.079773	.086578	.091666	.091968	.081588	.052096	-3.00
-2.90	.093389	.103848	.113982	.121059	.118728	.094158	-2.90
-2.80	.107270	.121725	.137680	.153273	.162975	.152364	-2.80
-2.70	.120705	.139216	.161342	.186568	.211485	.223811	-2.70
-2.60	.132787	.155031	.183074	.218055	.263099	.301307	-2.60
-2.50	.142417	.167610	.200569	.244130	.301543	.373931	-2.50
-2.40	.148341	.175189	.211232	.260747	.330213	.428654	-2.40
-2.30	.149198	.175896	.212378	.263811	.338890	.452620	-2.30
-2.20	.143601	.167894	.201481	.249661	.321821	.435578	-2.20
-2.10	.130235	.149545	.176464	.215583	.275271	.371893	-2.10
-2.00	.107982	.119605	.135996	.160271	.198270	.261753	-2.00
-1.90	.076048	.077409	.079756	.084193	.093031	.111349	-1.90
-1.80	.034106	.023049	.008637	-.010236	-.035083	-.067918	-1.80
-1.70	-.017587	-.042496	-.075148	-.118678	-.177972	-.260996	-1.70
-1.60	-.078088	-.117286	-.168089	-.235127	-.325592	-.451173	-1.60
-1.50	-.145707	-.198427	-.265531	-.352360	-.466992	-.622148	-1.50
-1.40	-.218003	-.282164	-.361956	-.462545	-.591433	-.759871	-1.40
-1.30	-.291841	-.364068	-.451376	-.557937	-.689459	-.853914	-1.30
-1.20	-.363516	-.439306	-.527799	-.631571	-.753783	-.898261	-1.20
-1.10	-.428951	-.502977	-.561923	-.677890	-.779897	-.891507	-1.10
-1.00	-.483941	-.550479	-.531037	-.693231	-.766350	-.836520	-1.00
-.90	-.524454	-.577893	-.629285	-.676116	-.714713	-.739705	-.90
-.80	-.546938	-.582320	-.610227	-.627340	-.629237	-.610023	-.80
-.70	-.548630	-.562167	-.563714	-.549840	-.516310	-.457901	-.70
-.60	-.527828	-.517322	-.491807	-.448387	-.383756	-.294180	-.60
-.50	-.484090	-.449217	-.398197	-.329133	-.240099	-.129206	-.50
-.40	-.418355	-.360770	-.287898	-.199071	-.093846	.027898	-.40
-.30	-.332952	-.256192	-.166859	-.065468	.047137	.169710	-.30
-.20	-.231497	-.140701	-.041502	.064673	.176110	.290779	-.20
-.10	-.118689	-.020144	.081750	.185082	.287793	.387675	-.10
.00	.000000	.099416	.196913	.290583	.378529	.458881	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.90							-4.90
-4.80							-4.80
-4.70							-4.70
-4.60							-4.60
-4.50							-4.50
-4.40							-4.40
-4.30							-4.30
-4.20							-4.20
-4.10							-4.10
-4.00							-4.00
-3.90							-3.90
-3.80							-3.80
-3.70							-3.70
-3.60							-3.60
-3.50							-3.50
-3.40							-3.40
-3.30							-3.30
-3.20	.000428						-3.20
-3.10	.001108						-3.10
-3.00	.008908						-3.00
-2.90	.034461						-2.90
-2.80	.091644						-2.80
-2.70	.186439	.037335					-2.70
-2.60	.311828	.179031					-2.60
-2.50	.447156	.424944					-2.50
-2.40	.563261	.699116	.412736				-2.40
-2.30	.630460	.904484	1.154771				-2.30
-2.20	.626233	.968743	1.606671	1.308533			-2.20
-2.10	.540369	.864479	1.580220	3.463876			-2.10
-2.00	.376624	.607660	1.150250	2.823381			-2.00
-1.90	.151178	.244293	.489790	1.298782	6.008392		-1.90
-1.80	-.111123	-.166161	-.226346	-.233321	.314604	26.296986	-1.80
-1.70	-.381520	-.565200	-.865030	-1.409161	-2.599172	-6.749225	-1.70
-1.60	-.631967	-.905133	-1.346380	-2.132746	-3.776760	-8.464687	-1.60
-1.50	-.838850	-1.154030	-1.637910	-2.439060	-3.924047	-7.246598	-1.50
-1.40	-.985394	-1.296626	-1.743088	-2.417049	-3.508310	-5.465547	-1.40
-1.30	-1.062686	-1.332423	-1.688081	-2.167842	-2.830276	-3.758660	-1.30
-1.20	-1.069482	-1.272258	-1.510562	-1.783859	-2.076035	-2.320434	-1.20
-1.10	-1.011123	-1.134368	-1.251236	-1.340054	-1.354128	-1.190123	-1.10
-1.00	-.897900	-.940660	-.948168	-.891892	-.721788	-.347336	-1.00
-.90	-.743216	-.713610	-.633538	-.476810	-.203287	.249654	-.90
-.80	-.561803	-.473971	-.332221	-.117191	.197402	.647237	-.80
-.70	-.368188	-.239300	-.061661	.176251	.488027	.889156	-.70
-.60	-.175509	-.023216	.167459	.401253	.682370	1.013589	-.60
-.50	.005280	.164776	.350128	.561253	.796593	1.052338	-.50
-.40	.165834	.319034	.485754	.663162	.846984	1.031034	-.40
-.30	.300524	.437271	.576943	.715691	.848660	.969782	-.30
-.20	.406299	.519904	.628401	.728128	.814903	.883974	-.20
-.10	.482370	.569371	.646021	.709516	.756908	.785099	-.10
.00	.529797	.589476	.636159	.668143	.683784	.681502	.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	.000000	.099416	.196913	.290583	.378529	.458881	.00
.10	.118689	.212123	.298828	.377333	.446308	.504560	.10
.20	.231497	.312723	.383442	.442932	.490655	.526245	.20
.30	.332952	.396892	.447991	.486405	.512433	.526493	.30
.40	.418355	.461478	.491064	.508096	.513583	.508539	.40
.50	.484090	.504634	.512563	.509471	.496829	.475980	.50
.60	.527828	.525849	.513571	.492878	.465389	.432494	.60
.70	.548630	.525878	.496156	.461276	.422704	.381621	.70
.80	.546938	.506577	.463119	.417974	.372202	.326592	.80
.90	.524454	.470682	.417735	.366379	.317109	.270225	.90
1.00	.483941	.421543	.363493	.309789	.260310	.214859	1.00
1.10	.428951	.362844	.303855	.251224	.204259	.162335	1.10
1.20	.363516	.298335	.242061	.193306	.150934	.114009	1.20
1.30	.291841	.231592	.180974	.138185	.101825	.070791	1.30
1.40	.218003	.165822	.122976	.087512	.057959	.033194	1.40
1.50	.145707	.103725	.069917	.042440	.019940	.001404	1.50
1.60	.078088	.047402	.023097	.003664	-.011988	-.024665	1.60
1.70	.017587	-.001667	-.016702	-.028531	-.037884	-.045300	1.70
1.80	-.034106	-.042615	-.051166	-.054198	-.058037	-.060934	1.80
1.90	-.076048	-.075129	-.073377	-.073658	-.072905	-.072092	1.90
2.00	-.107982	-.099370	-.092732	-.087429	-.083057	-.079351	2.00
2.10	-.130235	-.115877	-.101088	-.096161	-.089123	-.083300	2.10
2.20	-.143601	-.125462	-.111534	-.100572	-.091752	-.084515	2.20
2.30	-.149198	-.129110	-.113618	-.101402	-.091579	-.083537	2.30
2.40	-.148341	-.127891	-.111985	-.099375	-.089202	-.080863	2.40
2.50	-.142417	-.122878	-.107484	-.095167	-.085165	-.076931	2.50
2.60	-.132787	-.115092	-.100896	-.089387	-.079949	-.072122	2.60
2.70	-.120705	-.105455	-.092916	-.082565	-.073964	-.066758	2.70
2.80	-.107270	-.094763	-.084134	-.075151	-.067554	-.061105	2.80
2.90	-.093389	-.083674	-.075038	-.067508	-.060996	-.055373	2.90
3.00	-.079773	-.072706	-.066010	-.059925	-.054507	-.049728	3.00
3.10	-.066940	-.062242	-.057337	-.052617	-.048251	-.044293	3.10
3.20	-.055235	-.052547	-.049222	-.045738	-.042343	-.039155	3.20
3.30	-.044851	-.043785	-.041793	-.039388	-.036861	-.034374	3.30
3.40	-.035863	-.036031	-.035120	-.033623	-.031849	-.029982	3.40
3.50	-.028253	-.029301	-.029225	-.028467	-.027326	-.025994	3.50
3.60	-.021940	-.023558	-.024094	-.023915	-.023291	-.022409	3.60
3.70	-.016801	-.018734	-.019688	-.019942	-.019729	-.019217	3.70
3.80	-.012692	-.014741	-.015951	-.016514	-.016613	-.016396	3.80
3.90	-.009460	-.011481	-.012818	-.013583	-.013911	-.013924	3.90
4.00	-.006959	-.008854	-.010220	-.011101	-.011586	-.011771	4.00
4.10	-.005054	-.006762	-.008087	-.009017	-.009601	-.009908	4.10
4.20	-.003624	-.005116	-.006352	-.007281	-.007917	-.008306	4.20
4.30	-.002567	-.003835	-.004954	-.005845	-.006498	-.006936	4.30
4.40	-.001795	-.002849	-.003837	-.004667	-.005309	-.005770	4.40
4.50	-.001241	-.002098	-.002952	-.003707	-.004320	-.004783	4.50
4.60	-.000847	-.001532	-.002257	-.002929	-.003500	-.003952	4.60
4.70	-.000572	-.001109	-.001714	-.002303	-.002824	-.003254	4.70
4.80	-.000381	-.000797	-.001294	-.001802	-.002270	-.002671	4.80
4.90	-.000251	-.000567	-.000971	-.001403	-.001818	-.002185	4.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	.529797	.589476	.636159	.668143	.683784	.681502	.00
.10	.551037	.584817	.605109	.611252	.602702	.579038	.10
.20	.549488	.560304	.558735	.544926	.519119	.481635	.20
.30	.529089	.520796	.502242	.474090	.437027	.391754	.30
.40	.493963	.470827	.440067	.402580	.359212	.310764	.40
.50	.448147	.414435	.375840	.333257	.287486	.239240	.50
.60	.395381	.355065	.312408	.268145	.222899	.177193	.60
.70	.338975	.295532	.251902	.208570	.165921	.124257	.70
.80	.281727	.238034	.195818	.155291	.116596	.079819	.80
.90	.225895	.184190	.145114	.108629	.074664	.043126	.90
1.00	.173207	.135106	.100308	.068570	.039660	.013358	1.00
1.10	.124896	.091451	.061567	.034861	.010997	-.010321	1.10
1.20	.081756	.053530	.028789	.007081	-.011981	-.028724	1.20
1.30	.044204	.021359	.001684	-.015290	-.029950	-.042616	1.30
1.40	.012349	-.005260	-.020175	-.032830	-.043577	-.052703	1.40
1.50	-.013939	-.026683	-.037291	-.046132	-.053497	-.059624	1.50
1.60	-.034971	-.043367	-.050211	-.055782	-.060300	-.063943	1.60
1.70	-.051180	-.055831	-.059489	-.062338	-.064522	-.066158	1.70
1.80	-.063078	-.064616	-.065666	-.066316	-.066641	-.066699	1.80
1.90	-.071211	-.070262	-.069251	-.068187	-.067079	-.065933	1.90
2.00	-.076134	-.073284	-.070716	-.068369	-.066198	-.064171	2.00
2.10	-.078386	-.074165	-.070483	-.067227	-.064311	-.061674	2.10
2.20	-.078470	-.073341	-.068926	-.065077	-.061682	-.058657	2.20
2.30	-.076847	-.071200	-.066369	-.062188	-.058529	-.055295	2.30
2.40	-.073926	-.068078	-.063089	-.058785	-.055032	-.051731	2.40
2.50	-.070062	-.064265	-.059318	-.055052	-.051338	-.048078	2.50
2.60	-.065560	-.060001	-.055245	-.051139	-.047563	-.044424	2.60
2.70	-.060671	-.055484	-.051027	-.047167	-.043798	-.040837	2.70
2.80	-.055600	-.050872	-.046785	-.043228	-.040113	-.037366	2.80
2.90	-.050510	-.046291	-.042614	-.039394	-.036558	-.034049	2.90
3.00	-.045527	-.041835	-.038585	-.035715	-.033172	-.030910	3.00
3.10	-.040742	-.037573	-.034748	-.032229	-.029979	-.027964	3.10
3.20	-.036222	-.033553	-.031138	-.028959	-.026994	-.025220	3.20
3.30	-.032010	-.029807	-.027777	-.025918	-.024223	-.022679	3.30
3.40	-.028130	-.026350	-.024674	-.023113	-.021670	-.020340	3.40
3.50	-.024591	-.023190	-.021833	-.020542	-.019329	-.018198	3.50
3.60	-.021394	-.020323	-.019249	-.018200	-.017196	-.016243	3.60
3.70	-.018527	-.017741	-.016913	-.016078	-.015259	-.014468	3.70
3.80	-.015976	-.015430	-.014814	-.014165	-.013509	-.012861	3.80
3.90	-.013720	-.013373	-.012936	-.012447	-.011933	-.011411	3.90
4.00	-.011738	-.011552	-.011264	-.010911	-.010519	-.010107	4.00
4.10	-.010005	-.009948	-.009783	-.009543	-.009255	-.008937	4.10
4.20	-.008499	-.008542	-.008475	-.008328	-.008127	-.007890	4.20
4.30	-.007196	-.007314	-.007324	-.007253	-.007125	-.006955	4.30
4.40	-.006073	-.006246	-.006315	-.006305	-.006236	-.006123	4.40
4.50	-.005110	-.005320	-.005433	-.005471	-.005449	-.005383	4.50
4.60	-.004288	-.004520	-.004665	-.004738	-.004754	-.004726	4.60
4.70	-.003588	-.003832	-.003998	-.004097	-.004142	-.004145	4.70
4.80	-.002994	-.003241	-.003419	-.003537	-.003604	-.003631	4.80
4.90	-.002492	-.002736	-.002919	-.003049	-.003132	-.003177	4.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	-.000164	-.000401	-.000724	-.001088	-.001450	-.001783	5.00
5.10	-.000105	-.000281	-.000537	-.000840	-.001153	-.001450	5.10
5.20	-.000067	-.000196	-.000396	-.000645	-.000914	-.001177	5.20
5.30	-.000042	-.000135	-.000291	-.000494	-.000722	-.000952	5.30
5.40	-.000026	-.000092	-.000212	-.000377	-.000568	-.000768	5.40
5.50	-.000016	-.000063	-.000154	-.000286	-.000446	-.000619	5.50
5.60	-.000010	-.000042	-.000111	-.000216	-.000349	-.000497	5.60
5.70	-.000006	-.000028	-.000080	-.000163	-.000272	-.000398	5.70
5.80	-.000004	-.000019	-.000057	-.000122	-.000212	-.000318	5.80
5.90	-.000002	-.000013	-.000041	-.000091	-.000164	-.000254	5.90
6.00	-.000001	-.000008	-.000029	-.000068	-.000127	-.000202	6.00
6.10		-.000005	-.000020	-.000051	-.000098	-.000160	6.10
6.20		-.000003	-.000014	-.000037	-.000075	-.000127	6.20
6.30		-.000002	-.000010	-.000028	-.000058	-.000101	6.30
6.40		-.000001	-.000007	-.000020	-.000044	-.000079	6.40
6.50		-.000001	-.000005	-.000015	-.000034	-.000063	6.50
6.60			-.000003	-.000011	-.000026	-.000049	6.60
6.70			-.000002	-.000008	-.000020	-.000039	6.70
6.80			-.000002	-.000006	-.000015	-.000030	6.80
6.90			-.000001	-.000004	-.000011	-.000024	6.90
7.00			-.000001	-.000003	-.000009	-.000018	7.00
7.10				-.000002	-.000006	-.000014	7.10
7.20				-.000002	-.000005	-.000011	7.20
7.30				-.000001	-.000004	-.000009	7.30
7.40				-.000001	-.000003	-.000007	7.40
7.50				-.000001	-.000002	-.000005	7.50
7.60					-.000002	-.000004	7.60
7.70					-.000001	-.000003	7.70
7.80					-.000001	-.000002	7.80
7.90					-.000001	-.000002	7.90
8.00						-.000001	8.00
8.10						-.000001	8.10
8.20						-.000001	8.20
8.30						-.000001	8.30
8.40							8.40
8.50							8.50
8.60							8.60
8.70							8.70
8.80							8.80
8.90							8.90
9.00							9.00
9.10							9.10
9.20							9.20
9.30							9.30
9.40							9.40
9.50							9.50
9.60							9.60
9.70							9.70
9.80							9.80
9.90							9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	-.002069	-.002304	-.002488	-.002624	-.002719	-.002777	5.00
5.10	-.001714	-.001937	-.002117	-.002256	-.002357	-.002425	5.10
5.20	-.001417	-.001625	-.001798	-.001936	-.002041	-.002116	5.20
5.30	-.001169	-.001361	-.001526	-.001660	-.001765	-.001844	5.30
5.40	-.000962	-.001138	-.001292	-.001421	-.001525	-.001606	5.40
5.50	-.000790	-.000950	-.001093	-.001215	-.001317	-.001397	5.50
5.60	-.000647	-.000792	-.000923	-.001038	-.001135	-.001215	5.60
5.70	-.000530	-.000659	-.000779	-.000886	-.000978	-.001055	5.70
5.80	-.000432	-.000547	-.000656	-.000755	-.000842	-.000916	5.80
5.90	-.000353	-.000454	-.000552	-.000643	-.000724	-.000795	5.90
6.00	-.000287	-.000376	-.000464	-.000547	-.000622	-.000689	6.00
6.10	-.000233	-.000311	-.000389	-.000465	-.000534	-.000597	6.10
6.20	-.000189	-.000257	-.000326	-.000395	-.000459	-.000517	6.20
6.30	-.000153	-.000212	-.000273	-.000335	-.000393	-.000447	6.30
6.40	-.000124	-.000174	-.000229	-.000284	-.000337	-.000387	6.40
6.50	-.000100	-.000144	-.000191	-.000240	-.000288	-.000334	6.50
6.60	-.000080	-.000118	-.000160	-.000203	-.000247	-.000289	6.60
6.70	-.000065	-.000097	-.000133	-.000172	-.000211	-.000249	6.70
6.80	-.000052	-.000079	-.000111	-.000145	-.000180	-.000215	6.80
6.90	-.000042	-.000065	-.000092	-.000123	-.000154	-.000185	6.90
7.00	-.000033	-.000053	-.000077	-.000103	-.000131	-.000160	7.00
7.10	-.000027	-.000044	-.000064	-.000087	-.000112	-.000138	7.10
7.20	-.000021	-.000036	-.000053	-.000073	-.000095	-.000118	7.20
7.30	-.000017	-.000029	-.000044	-.000062	-.000081	-.000102	7.30
7.40	-.000014	-.000024	-.000037	-.000052	-.000069	-.000088	7.40
7.50	-.000011	-.000019	-.000030	-.000044	-.000059	-.000075	7.50
7.60	-.000009	-.000016	-.000025	-.000037	-.000050	-.000065	7.60
7.70	-.000007	-.000013	-.000021	-.000031	-.000043	-.000056	7.70
7.80	-.000005	-.000010	-.000017	-.000026	-.000036	-.000048	7.80
7.90	-.000004	-.000008	-.000014	-.000022	-.000031	-.000041	7.90
8.00	-.000003	-.000007	-.000012	-.000018	-.000026	-.000035	8.00
8.10	-.000003	-.000005	-.000010	-.000015	-.000022	-.000030	8.10
8.20	-.000002	-.000004	-.000008	-.000013	-.000019	-.000026	8.20
8.30	-.000002	-.000004	-.000007	-.000011	-.000016	-.000022	8.30
8.40	-.000001	-.000003	-.000005	-.000009	-.000014	-.000019	8.40
8.50	-.000001	-.000002	-.000004	-.000007	-.000011	-.000016	8.50
8.60	-.000001	-.000002	-.000004	-.000006	-.000010	-.000014	8.60
8.70	-.000001	-.000002	-.000003	-.000005	-.000008	-.000012	8.70
8.80	-.000001	-.000001	-.000002	-.000004	-.000007	-.000010	8.80
8.90		-.000001	-.000002	-.000004	-.000006	-.000009	8.90
9.00		-.000001	-.000002	-.000003	-.000005	-.000008	9.00
9.10		-.000001	-.000001	-.000003	-.000004	-.000006	9.10
9.20		-.000001	-.000001	-.000002	-.000004	-.000005	9.20
9.30			-.000001	-.000002	-.000003	-.000005	9.30
9.40			-.000001	-.000001	-.000003	-.000004	9.40
9.50			-.000001	-.000001	-.000002	-.000003	9.50
9.60			-.000001	-.000001	-.000002	-.000003	9.60
9.70				-.000001	-.000002	-.000002	9.70
9.80				-.000001	-.000001	-.000002	9.80
9.90				-.000001	-.000001	-.000002	9.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
10.00							10.00
10.10							10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
10.00					-.000001	-.000002	10.00
10.10					-.000001	-.000001	10.10
10.20					-.000001	-.000001	10.20
10.30					-.000001	-.000001	10.30
10.40						-.000001	10.40
10.50						-.000001	10.50
10.60						-.000001	10.60
10.70						-.000001	10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00	.000007						-6.00
-5.90	.000011						-5.90
-5.80	.000018						-5.80
-5.70	.000030						-5.70
-5.60	.000049						-5.60
-5.50	.000079	.000011					-5.50
-5.40	.000126	.000021					-5.40
-5.30	.000198	.000040					-5.30
-5.20	.000307	.000071					-5.20
-5.10	.000470	.000126					-5.10
-5.00	.000711	.000219	.000023				-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50							-5.50
-5.40							-5.40
-5.30							-5.30
-5.20							-5.20
-5.10							-5.10
-5.00							-5.00

160 PEARSON'S TYPE III FUNCTION—FOURTH DERIVATIVE

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.90	.001062	.000373	.000050				-4.90
-4.80	.001567	.000621	.000106				-4.80
-4.70	.002283	.001014	.000216				-4.70
-4.60	.003283	.001623	.000424				-4.60
-4.50	.004660	.002547	.000801				-4.50
-4.40	.006526	.003919	.001461	.000165			-4.40
-4.30	.009015	.005910	.002576	.000414			-4.30
-4.20	.012280	.008735	.004392	.000965			-4.20
-4.10	.016488	.012652	.007249	.002098			-4.10
-4.00	.021814	.017953	.011585	.004275	.000270		-4.00
-3.90	.028424	.024952	.017935	.008198	.000964		-3.90
-3.80	.036456	.033952	.026904	.014839	.002892		-3.80
-3.70	.045994	.045210	.039109	.025429	.007498		-3.70
-3.60	.057030	.058872	.055089	.041352	.017134		-3.60
-3.50	.069433	.074908	.075174	.063929	.035043	.003363	-3.50
-3.40	.082896	.093028	.099316	.094085	.064923	.014067	-3.40
-3.30	.096898	.112599	.126916	.131914	.109964	.042678	-3.30
-3.20	.110664	.132568	.156637	.176212	.171459	.101860	-3.20
-3.10	.123133	.151405	.186283	.224065	.247286	.201253	-3.10
-3.00	.132955	.167089	.212736	.270631	.330741	.340245	-3.00
-2.90	.138504	.177145	.232029	.309206	.410203	.502693	-2.90
-2.80	.137931	.178748	.239565	.331680	.470001	.656676	-2.80
-2.70	.129262	.168916	.230499	.329387	.492520	.760190	-2.70
-2.60	.110533	.144769	.200274	.294297	.468964	.771242	-2.60
-2.50	.079973	.103864	.145268	.220393	.364364	.659133	-2.50
-2.40	.036225	.044574	.063483	.105036	.197539	.413477	-2.40
-2.30	-.021415	-.033521	-.044820	-.049946	-.033760	.048415	-2.30
-2.20	-.092745	-.129292	-.176631	-.237650	-.313972	-.398860	-2.20
-2.10	-.176458	-.239792	-.325968	-.446158	-.618703	-.874547	-2.10
-2.00	-.269955	-.360149	-.483969	-.659320	-.917573	-1.317793	-2.00
-1.90	-.369279	-.483634	-.639366	-.858210	-1.178217	-1.671021	-1.90
-1.80	-.469154	-.601945	-.779314	-1.023098	-1.370447	-1.888901	-1.80
-1.70	-.563157	-.705722	-.890510	-1.135663	-1.470408	-1.944452	-1.70
-1.60	-.644051	-.785244	-.960510	-1.181176	-1.463555	-1.831597	-1.60
-1.50	-.704252	-.831283	-.979070	-1.150310	-1.346367	-1.564257	-1.50
-1.40	-.736420	-.836023	-.939371	-1.040370	-1.126539	-1.172695	-1.40
-1.30	-.734126	-.793947	-.838954	-.855748	-.821731	-.698106	-1.30
-1.20	-.692545	-.702593	-.680247	-.607581	-.457192	-.186561	-1.20
-1.10	-.609093	-.563089	-.451878	-.312649	-.062669	.316737	-1.10
-1.00	-.483941	-.380366	-.221798	.008309	.330924	.772172	-1.00
-.90	-.320340	-.163025	.050847	.332640	.694644	1.149001	-.90
-.80	-.124683	.077163	.329834	.637935	1.004102	1.427081	-.80
-.70	.093707	.326094	.596972	.904033	1.241282	1.597145	-.70
-.60	.323095	.568419	.834958	1.114676	1.395475	1.659900	-.60
-.50	.550102	.788781	1.028829	1.258656	1.463382	1.624302	-.50
-.40	.760699	.973094	1.167154	1.330391	1.448486	1.505356	-.40
-.30	.941303	1.109698	1.208438	1.329919	1.359877	1.321796	-.30
-.20	1.079904	1.190311	1.253522	1.262385	1.210756	1.093886	-.20
-.10	1.167080	1.210653	1.201474	1.137122	1.016802	.841546	-.10
.00	1.196827	1.170712	1.093148	.966479	.794593	.582903	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.90							-4.90
-4.80							-4.80
-4.70							-4.70
-4.60							-4.60
-4.50							-4.50
-4.40							-4.40
-4.30							-4.30
-4.20							-4.20
-4.10							-4.10
-4.00							-4.00
-3.90							-3.90
-3.80							-3.80
-3.70							-3.70
-3.60							-3.60
-3.50							-3.50
-3.40							-3.40
-3.30							-3.30
-3.20	.020824						-3.20
-3.10	.028526						-3.10
-3.00	.147081						-3.00
-2.90	.395781						-2.90
-2.80	.759352						-2.80
-2.70	1.124906	.812211					-2.70
-2.60	1.347521	2.017497					-2.60
-2.50	1.309026	2.763730					-2.50
-2.40	.962273	2.549975	7.177420				-2.40
-2.30	.343284	1.433681	6.605834				-2.30
-2.20	-.445103	-.193679	2.155290	47.637462			-2.20
-2.10	-1.265630	-1.862554	-2.531723	3.046070			-2.10
-2.00	-1.981650	-3.194250	-5.763751	-12.89341			-2.00
-1.90	-2.485037	-3.971531	-7.147354	-16.21020	-75.41929		-1.90
-1.80	-2.712264	-4.138399	-6.952061	-13.86402	-40.95566	-1703.342	-1.80
-1.70	-2.648307	-3.762105	-5.690392	-9.514587	-19.03718	-55.10019	-1.70
-1.60	-2.320871	-2.983216	-3.883787	-5.027707	-5.674726	4.547146	-1.60
-1.50	-1.788663	-1.969634	-1.954736	-1.253452	1.962024	16.717548	-1.50
-1.40	-1.127406	-.882058	-.194341	1.521847	5.860034	17.978712	-1.40
-1.30	-.416546	.147390	1.230284	3.306926	7.396594	15.872761	-1.30
-1.20	.271442	1.024888	2.251319	4.247538	7.511627	12.840068	-1.20
-1.10	.878276	1.695880	2.871243	4.536417	6.834117	9.805846	-1.10
-1.00	1.363543	2.140438	3.136250	4.364950	5.774305	7.121962	-1.00
-.90	1.705324	2.365735	3.114882	3.899959	4.590501	4.896272	-.90
-.80	1.898524	2.397668	2.882507	3.275111	3.437122	3.128725	-.80
-.70	1.951749	2.273015	2.511075	2.590410	2.398938	1.773397	-.70
-.60	1.883508	2.032867	2.063195	1.915738	1.515225	.768222	-.60
-.50	1.718347	1.717661	1.589403	1.296049	.796593	.049368	-.50
-.40	1.483373	1.363810	1.127644	.756864	.236529	-.442085	-.40
-.30	1.205400	1.001743	.704131	.309331	-.180839	-.757437	-.30
-.20	.908852	.655086	.334973	-.045445	-.475651	-.939707	-.20
-.10	.614408	.340679	.028099	-.312925	-.669095	-1.023989	-.10
.00	.338310	.069165	-.214782	-.502446	-.781467	-1.038291	.00

162 PEARSON'S TYPE III FUNCTION—FOURTH DERIVATIVE

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	1.196827	1.170712	1.093148	.966479	.794593	.582903	.00
.10	1.167080	1.074614	.938367	.764534	.560223	.333295	.10
.20	1.079904	.930144	.749299	.545828	.328197	.104721	.20
.30	.941303	.747971	.539336	.324239	.110656	-.094324	.30
.40	.760699	.540662	.321978	.112068	-.083069	-.258707	.40
.50	.550102	.321613	.109835	-.080603	-.246603	-.386303	.50
.60	.323095	.103981	-.086178	-.246284	-.376418	-.477487	.60
.70	.093707	-.100271	-.257417	-.380193	-.471536	-.534582	.70
.80	-.124683	-.281142	-.397824	-.480139	-.533110	-.561286	.80
.90	-.320340	-.431125	-.503997	-.546236	-.563934	-.562147	.90
1.00	-.483941	-.545473	-.575047	-.580507	-.567948	-.542106	1.00
1.10	-.609093	-.622220	-.612288	-.586411	-.549764	-.506123	1.10
1.20	-.692545	-.661971	-.618802	-.568366	-.514257	-.458890	1.20
1.30	-.734126	-.667522	-.598957	-.531300	-.466219	-.404633	1.30
1.40	-.736420	-.643356	-.557907	-.480250	-.410109	-.346993	1.40
1.50	-.704252	-.595087	-.501121	-.420037	-.349867	-.288967	1.50
1.60	-.644051	-.528901	-.433987	-.355027	-.288813	-.232901	1.60
1.70	-.563157	-.451048	-.361482	-.288969	-.229601	-.180529	1.70
1.80	-.469154	-.367406	-.287948	-.224909	-.174230	-.133032	1.80
1.90	-.369279	-.283159	-.216948	-.165165	-.124086	-.091107	1.90
2.00	-.269955	-.202581	-.151207	-.111359	-.080012	-.055060	2.00
2.10	-.176458	-.128927	-.095701	-.064481	-.042394	-.024879	2.10
2.20	-.092745	-.064425	-.042334	-.024976	-.011244	-.000317	2.20
2.30	-.021415	-.010335	-.000806	.007156	.013705	.019042	2.30
2.40	.036225	.032924	.032034	.032252	.032923	.033717	2.40
2.50	.077973	.065624	.056680	.050897	.047011	.044288	2.50
2.60	.110533	.088555	.073917	.063826	.056636	.051348	2.60
2.70	.129262	.102860	.084711	.071857	.062491	.055483	2.70
2.80	.137931	.109882	.090113	.075826	.065250	.057241	2.80
2.90	.138504	.111035	.091177	.076544	.065547	.057123	2.90
3.00	.132955	.107697	.088906	.074760	.063956	.055574	3.00
3.10	.123133	.101141	.084210	.071145	.060979	.052981	3.10
3.20	.110664	.092480	.077881	.066276	.057048	.049668	3.20
3.30	.096898	.082650	.070581	.060636	.052522	.045906	3.30
3.40	.082896	.072394	.062845	.054615	.047688	.041910	3.40
3.50	.069433	.062277	.055085	.048518	.042774	.037852	3.50
3.60	.057030	.052701	.047604	.042570	.037951	.033860	3.60
3.70	.045994	.043925	.040610	.036935	.033342	.030027	3.70
3.80	.036156	.034097	.032433	.031718	.029031	.026420	3.80
3.90	.028424	.029271	.028537	.026980	.025070	.023080	3.90
4.00	.021814	.023440	.023543	.022747	.021485	.020029	4.00
4.10	.016488	.018546	.019233	.019020	.018283	.017274	4.10
4.20	.012280	.014507	.015566	.015781	.015455	.014813	4.20
4.30	.009015	.011224	.012487	.012997	.012982	.012634	4.30
4.40	.006526	.008592	.009933	.010630	.010842	.010722	4.40
4.50	.004660	.006510	.007837	.008636	.009004	.009056	4.50
4.60	.003283	.004884	.006136	.006972	.007438	.007615	4.60
4.70	.002283	.003629	.004768	.005594	.006113	.006375	4.70
4.80	.001567	.002671	.003678	.004463	.005000	.005316	4.80
4.90	.001062	.001948	.002818	.003541	.004071	.004416	4.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	.338310	.069165	-.214782	-.502446	-.781467	-1.038291	.00
.10	.092212	-.154102	-.396402	-.625246	-.831115	-1.004521	.10
.20	-.116564	-.328001	-.522394	-.693075	-.833942	-.939499	.20
.30	-.284508	-.454578	-.600057	-.717270	-.803289	-.855884	.30
.40	-.411246	-.538066	-.637395	-.708191	-.750026	-.762993	.40
.50	-.498817	-.584031	-.642421	-.674916	-.682779	-.667508	.50
.60	-.550963	-.598678	-.622683	-.625131	-.608205	-.574058	.60
.70	-.492063	-.588315	-.584965	-.565132	-.531294	-.485703	.70
.80	-.568715	-.558962	-.535134	-.499924	-.455656	-.404319	.80
.90	-.545052	-.516090	-.478086	-.433353	-.383781	-.330911	.90
1.00	-.506662	-.464476	-.417768	-.368259	-.317280	-.265855	1.00
1.10	-.458242	-.408129	-.357245	-.306646	-.257083	-.251529	1.10
1.20	-.403880	-.350288	-.298798	-.249826	-.203605	-.160241	1.20
1.30	-.346995	-.293466	-.244031	-.198567	-.156889	-.118778	1.30
1.40	-.290326	-.239514	-.193988	-.153216	-.116712	-.084036	1.40
1.50	-.235962	-.189710	-.149257	-.113803	-.082677	-.055313	1.50
1.60	-.185405	-.144850	-.110070	-.080131	-.054280	-.031903	1.60
1.70	-.139641	-.105337	-.076391	-.051849	-.030957	-.013117	1.70
1.80	-.099226	-.071267	-.047991	-.028508	-.012128	.001690	1.80
1.90	-.064367	-.042504	-.024507	-.009608	.002780	.013113	1.90
2.00	-.035003	-.018750	-.005495	.005372	.014313	.021689	2.00
2.10	-.010873	.000404	.009531	.016944	.022980	.027897	2.10
2.20	.008421	.015432	.021068	.025602	.029244	.032158	2.20
2.30	.023361	.026834	.029607	.031802	.033518	.034838	2.30
2.40	.034472	.035112	.035610	.035960	.036170	.036251	2.40
2.50	.042290	.040751	.039506	.038450	.037517	.036664	2.50
2.60	.047337	.044203	.041681	.039598	.037833	.036305	2.60
2.70	.050105	.045878	.042480	.039690	.037353	.035361	2.70
2.80	.051042	.046145	.042202	.038969	.036272	.033988	2.80
2.90	.050547	.045324	.041104	.037639	.034753	.032315	2.90
3.00	.048971	.043689	.039402	.035873	.032930	.030444	3.00
3.10	.046611	.041474	.037279	.033811	.030911	.028459	3.10
3.20	.043716	.038869	.034881	.031567	.028784	.026424	3.20
3.30	.040491	.036031	.032329	.029231	.026616	.024391	3.30
3.40	.037099	.033084	.029716	.026875	.024461	.022396	3.40
3.50	.033670	.030124	.027115	.024552	.022358	.020470	3.50
3.60	.030299	.027226	.024581	.022303	.020336	.018631	3.60
3.70	.027059	.024443	.022154	.020157	.018416	.016894	3.70
3.80	.024000	.021812	.019861	.018134	.016610	.015266	3.80
3.90	.021152	.019356	.017719	.016245	.014927	.013752	3.90
4.00	.018534	.017090	.015738	.014497	.013370	.012353	4.00
4.10	.016154	.015018	.013921	.012891	.011938	.011067	4.10
4.20	.014009	.013141	.012268	.011425	.010629	.009890	4.20
4.30	.012093	.011452	.010773	.010095	.009439	.008819	4.30
4.40	.010393	.009942	.009429	.008894	.008361	.007847	4.40
4.50	.008896	.008600	.008227	.007815	.007390	.006968	4.50
4.60	.007585	.007415	.007158	.006850	.006517	.006176	4.60
4.70	.006443	.006373	.006211	.005990	.005736	.005465	4.70
4.80	.005455	.005462	.005375	.005226	.005038	.004828	4.80
4.90	.004603	.004667	.004641	.004551	.004418	.004258	4.90

164 PEARSON'S TYPE III FUNCTION—FOURTH DERIVATIVE

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	.000711	.001408	.002144	.002794	.003300	.003654	5.00
5.10	.000470	.001009	.001621	.002193	.002664	.003014	5.10
5.20	.000307	.000717	.001217	.001713	.002142	.002477	5.20
5.30	.000198	.000505	.000909	.001331	.001715	.002029	5.30
5.40	.000126	.000353	.000674	.001030	.001368	.001657	5.40
5.50	.000079	.000245	.000497	.000793	.001087	.001349	5.50
5.60	.000049	.000168	.000365	.000608	.000861	.001095	5.60
5.70	.000030	.000115	.000266	.000464	.000680	.000887	5.70
5.80	.000018	.000078	.000193	.000352	.000535	.000716	5.80
5.90	.000011	.000052	.000139	.000267	.000419	.000577	5.90
6.00	.000007	.000035	.000100	.000202	.000328	.000463	6.00
6.10		.000023	.000071	.000151	.000256	.000371	6.10
6.20		.000015	.000051	.000113	.000199	.000297	6.20
6.30		.000010	.000036	.000084	.000154	.000237	6.30
6.40		.000006	.000025	.000063	.000119	.000188	6.40
6.50		.000004	.000018	.000046	.000092	.000150	6.50
6.60			.000012	.000034	.000070	.000119	6.60
6.70			.000009	.000025	.000054	.000094	6.70
6.80			.000006	.000018	.000041	.000074	6.80
6.90			.000004	.000014	.000032	.000058	6.90
7.00			.000003	.000010	.000024	.000046	7.00
7.10			.000002	.000007	.000018	.000036	7.10
7.20			.000001	.000005	.000014	.000028	7.20
7.30			.000001	.000004	.000010	.000022	7.30
7.40			.000001	.000003	.000008	.000017	7.40
7.50				.000002	.000006	.000013	7.50
7.60				.000001	.000004	.000010	7.60
7.70				.000001	.000003	.000008	7.70
7.80				.000001	.000003	.000006	7.80
7.90					.000002	.000005	7.90
8.00					.000001	.000004	8.00
8.10					.000001	.000003	8.10
8.20					.000001	.000002	8.20
8.30					.000001	.000002	8.30
8.40						.000001	8.40
8.50						.000001	8.50
8.60						.000001	8.60
8.70						.000001	8.70
8.80							8.80
8.90							8.90
9.00							9.00
9.10							9.10
9.20							9.20
9.30							9.30
9.40							9.40
9.50							9.50
9.60							9.60
9.70							9.70
9.80							9.80
9.90							9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	.003872	.003977	.003997	.003954	.003867	.003750	5.00
5.10	.003247	.003381	.003436	.003430	.003380	.003299	5.10
5.20	.002715	.002867	.002947	.002970	.002949	.002897	5.20
5.30	.002265	.002426	.002522	.002567	.002570	.002542	5.30
5.40	.001884	.002048	.002155	.002215	.002236	.002227	5.40
5.50	.001563	.001725	.001838	.001908	.001943	.001950	5.50
5.60	.001294	.001450	.001565	.001642	.001686	.001705	5.60
5.70	.001068	.001217	.001330	.001410	.001462	.001489	5.70
5.80	.000880	.001019	.001129	.001210	.001266	.001299	5.80
5.90	.000724	.000852	.000956	.001037	.001095	.001133	5.90
6.00	.000594	.000711	.000809	.000887	.000946	.000987	6.00
6.10	.000486	.000592	.000684	.000758	.000816	.000859	6.10
6.20	.000397	.000493	.000577	.000648	.000704	.000747	6.20
6.30	.000324	.000409	.000486	.000552	.000606	.000649	6.30
6.40	.000264	.000339	.000409	.000470	.000522	.000563	6.40
6.50	.000215	.000281	.000344	.000400	.000449	.000489	6.50
6.60	.000174	.000232	.000289	.000340	.000386	.000424	6.60
6.70	.000141	.000192	.000242	.000289	.000331	.000367	6.70
6.80	.000114	.000158	.000203	.000245	.000284	.000318	6.80
6.90	.000092	.000130	.000170	.000208	.000244	.000275	6.90
7.00	.000074	.000107	.000142	.000176	.000209	.000238	7.00
7.10	.000060	.000088	.000118	.000149	.000179	.000205	7.10
7.20	.000048	.000072	.000099	.000126	.000153	.000177	7.20
7.30	.000039	.000059	.000082	.000107	.000131	.000153	7.30
7.40	.000031	.000048	.000069	.000090	.000112	.000132	7.40
7.50	.000025	.000040	.000057	.000076	.000095	.000114	7.50
7.60	.000020	.000032	.000047	.000064	.000081	.000098	7.60
7.70	.000016	.000026	.000039	.000054	.000069	.000085	7.70
7.80	.000013	.000022	.000033	.000045	.000059	.000073	7.80
7.90	.000010	.000018	.000027	.000038	.000050	.000063	7.90
8.00	.000008	.000014	.000022	.000032	.000043	.000054	8.00
8.10	.000006	.000012	.000019	.000027	.000036	.000046	8.10
8.20	.000005	.000009	.000015	.000023	.000031	.000040	8.20
8.30	.000004	.000008	.000013	.000019	.000026	.000034	8.30
8.40	.000003	.000006	.000011	.000016	.000022	.000029	8.40
8.50	.000002	.000005	.000009	.000013	.000019	.000025	8.50
8.60	.000002	.000004	.000007	.000011	.000016	.000022	8.60
8.70	.000002	.000003	.000006	.000009	.000014	.000019	8.70
8.80	.000001	.000003	.000005	.000008	.000012	.000016	8.80
8.90	.000001	.000002	.000004	.000007	.000010	.000014	8.90
9.00	.000001	.000002	.000003	.000006	.000008	.000012	9.00
9.10	.000001	.000001	.000003	.000005	.000007	.000010	9.10
9.20		.000001	.000002	.000004	.000006	.000009	9.20
9.30		.000001	.000002	.000003	.000005	.000007	9.30
9.40		.000001	.000002	.000003	.000004	.000006	9.40
9.50		.000001	.000001	.000002	.000004	.000005	9.50
9.60			.000001	.000002	.000003	.000005	9.60
9.70			.000001	.000002	.000003	.000004	9.70
9.80			.000001	.000001	.000002	.000003	9.80
9.90			.000001	.000001	.000002	.000003	9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
10.00							10.00
10.10							10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
10.00				.000001	.000002	.000002	10.00
10.10				.000001	.000001	.000002	10.10
10.20				.000001	.000001	.000002	10.20
10.30				.000001	.000001	.000002	10.30
10.40					.000001	.000001	10.40
10.50					.000001	.000001	10.50
10.60					.000001	.000001	10.60
10.70						.000001	10.70
10.80						.000001	10.80
10.90						.000001	10.90
11.00						.000001	11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

168 PEARSON'S TYPE III FUNCTION—FIFTH DERIVATIVE

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00	.000035						-6.00
-5.90	.000057						-5.90
-5.80	.000093						-5.80
-5.70	.000149						-5.70
-5.60	.000237						-5.60
-5.50	.000372	.000073					-5.50
-5.40	.000575	.000134					-5.40
-5.30	.000879	.000238					-5.30
-5.20	.001326	.000415					-5.20
-5.10	.001974	.000709					-5.10
-5.00	.002899	.001185	.000185				-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50							-5.50
-5.40							-5.40
-5.30							-5.30
-5.20							-5.20
-5.10							-5.10
-5.00							-5.00

170 PEARSON'S TYPE III FUNCTION—FIFTH DERIVATIVE

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.90	.004199	.001939	.000387				-4.90
-4.80	.005998	.003107	.000775				-4.80
-4.70	.008445	.004872	.001494				-4.70
-4.60	.011715	.007477	.002771				-4.60
-4.50	.016008	.011228	.004953				-4.50
-4.40	.021533	.016492	.008532	.001582			-4.40
-4.30	.028497	.023686	.014175	.003653			-4.30
-4.20	.037077	.033246	.022723	.007821			-4.20
-4.10	.047385	.045577	.035150	.015601			-4.10
-4.00	.059421	.060973	.052467	.029110	.003698		-4.00
-3.90	.073016	.079514	.075548	.050964	.011373		-3.90
-3.80	.087768	.100934	.104865	.083927	.029557		-3.80
-3.70	.102971	.124473	.140154	.130216	.066481		-3.70
-3.60	.117547	.148727	.180029	.190495	.131709		-3.60
-3.50	.130002	.171523	.221615	.262656	.232800	.054837	-3.50
-3.40	.138396	.189842	.260269	.340701	.370353	.176319	-3.40
-3.30	.140362	.199841	.289515	.413951	.532885	.418003	-3.30
-3.20	.133185	.196991	.301268	.467184	.693686	.782995	-3.20
-3.10	.113952	.176376	.286440	.481803	.811755	1.204809	-3.10
-3.00	.079773	.133159	.235965	.438269	.837828	1.548187	-3.00
-2.90	.028105	.063208	.142169	.319573	.724933	1.646581	-2.90
-2.80	-.042873	-.036154	.000387	.115261	.441138	1.361310	-2.80
-2.70	-.133814	-.165339	-.189409	-.174737	-.018815	.637016	-2.70
-2.60	-.243764	-.321742	-.421241	-.537330	-.629273	-.468718	-2.60
-2.50	-.369738	-.499140	-.682317	-.945332	-1.319247	-1.791490	-2.50
-2.40	-.506424	-.687411	-.953041	-1.358873	-2.008265	-3.097791	-2.40
-2.30	-.646042	-.872660	-1.208037	-1.729252	-2.591569	-4.140341	-2.30
-2.20	-.778443	-1.037858	-1.418202	-2.004833	-2.971517	-4.713838	-2.20
-2.10	-.891503	-1.163872	-1.553678	-2.138166	-3.071825	-4.696711	-2.10
-2.00	-.971838	-1.231866	-1.587421	-2.093193	-2.851085	-4.070717	-2.00
-1.90	-1.005825	-1.223902	-1.498933	-1.851350	-2.310517	-2.917258	-1.90
-1.80	-.980903	-1.126606	-1.277630	-1.415493	-1.493788	-1.394949	-1.80
-1.70	-.887018	-.932582	-.925326	-.810963	-.480907	.293881	-1.70
-1.60	-.718128	-.642320	-.457386	-.083541	.623876	1.939386	-1.60
-1.50	-.473549	-.265293	.097713	.705429	1.706836	3.356043	-1.50
-1.40	-.158975	.179815	.700455	1.486002	2.659884	4.405508	-1.40
-1.30	.212999	.665911	1.303840	2.187685	3.393671	5.008519	-1.30
-1.20	.623011	1.159322	1.857979	2.747403	3.846966	5.146248	-1.20
-1.10	1.045802	1.622521	2.220861	3.116326	3.991435	4.853130	-1.10
-1.00	1.451824	2.017519	2.635041	3.264706	3.831751	4.204047	-1.00
-.90	1.809510	2.309533	2.788437	3.184231	3.401691	3.298929	-.90
-.80	2.088004	2.470542	2.760718	2.887791	2.757297	2.247383	-.80
-.70	2.260116	2.482291	2.552957	2.406880	1.968436	1.155361	-.70
-.60	2.305168	2.338384	2.181623	1.787195	1.110037	.115043	-.60
-.50	2.211410	2.045193	1.676618	1.083101	.254115	-.801603	-.50
-.40	1.977699	1.621472	1.077996	.351751	-.536640	-1.545714	-.40
-.30	1.614197	1.096704	.438916	-.352453	-1.213257	-2.091401	-.30
-.20	1.141970	.508372	-.214335	-.982478	-1.742756	-2.433363	-.20
-.10	.591463	-.101530	-.815746	-1.501985	-2.108462	-2.583054	-.10
.00	.000000	-.690340	-1.334227	-1.887190	-2.308710	-2.564153	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.90							-4.90
-4.80							-4.80
-4.70							-4.70
-4.60							-4.60
-4.50							-4.50
-4.40							-4.40
-4.30							-4.30
-4.20							-4.20
-4.10							-4.10
-4.00							-4.00
-3.90							-3.90
-3.80							-3.80
-3.70							-3.70
-3.60							-3.60
-3.50							-3.50
-3.40							-3.40
-3.30							-3.30
-3.20	.842257						-3.20
-3.10	.588693						-3.10
-3.00	1.849903						-3.00
-2.90	3.201920						-2.90
-2.80	3.878637						-2.80
-2.70	3.179643	11.313829					-2.70
-2.60	1.068006	11.097192					-2.60
-2.50	-1.918392	2.984160					-2.50
-2.40	-4.953572	-7.118615	30.500628				-2.40
-2.30	-7.249070	-14.50980	-32.96668				-2.30
-2.20	-8.283837	-17.22664	-49.96355	-761.6006			-2.20
-2.10	-7.894204	-15.50871	-41.08784	-260.2257			-2.10
-2.00	-6.243303	-10.76401	-23.00499	-80.70170			-2.00
-1.90	-3.717972	-4.695233	5.185098	3.299597	424.36017		-1.90
-1.80	.802582	1.237087	8.199275	27.923815	274.10548	151298.68	-1.80
-1.70	2.033508	6.046683	16.148280	46.253906	170.84286	1395.4169	-1.70
-1.60	4.414962	9.245487	19.275092	42.139264	101.07146	238.57941	-1.60
-1.50	6.100725	10.754799	18.822519	32.911782	54.936664	46.225475	-1.50
-1.40	6.990201	10.774953	16.111270	22.634124	25.290674	-10.47424	-1.40
-1.30	7.105003	9.657556	12.273179	13.324788	6.986257	-28.00302	-1.30
-1.20	6.557023	7.802318	8.156143	5.816354	-3.652442	-31.23638	-1.20
-1.10	5.512210	5.585612	4.322899	.283832	-9.225001	-28.90925	-1.10
-1.00	4.156897	3.318942	1.094040	-3.433856	-11.54861	-24.60908	-1.00
-.90	2.670779	1.231482	-1.394055	-5.643201	-11.87573	-19.91430	-.90
-.80	1.208217	-.530420	-3.132533	-6.687731	-11.05453	-15.51779	-.80
-.70	-.112213	-1.893330	-4.191323	-6.890713	-9.646454	-11.69445	-.70
-.60	-1.211125	-2.841685	-4.681987	-6.528740	-8.012009	-8.516467	-.60
-.50	-2.046433	-3.401428	-4.730771	-5.823350	-6.372745	-5.959217	-.50
-.40	-2.608007	-3.624745	-4.461008	-4.952497	-4.855811	-3.955431	-.40
-.30	-2.910524	-3.577221	-3.982722	-4.006892	-3.525641	-2.423242	-.30
-.20	-2.985855	-3.327957	-3.387561	-3.098185	-2.406236	-1.280497	-.20
-.10	-2.875929	-2.942594	-2.747366	-2.267305	-1.496634	-.451666	-.10
.00	-2.626655	-2.478942	-2.115071	-1.542070	-.781467	.129293	.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	.000000	-.690340	-1.334227	-1.887190	-2.308710	-2.564153	.00
.10	-.591463	-1.218512	-1.740924	-2.127279	-2.354389	-2.407989	.10
.20	-1.141970	-1.652927	-2.017921	-2.223557	-2.265822	-2.149357	.20
.30	-1.614197	-1.969413	-2.158675	-2.187627	-2.069421	-1.823040	.30
.40	-1.977699	-2.154258	-2.167343	-2.038926	-1.794478	-1.461172	.40
.50	-2.211410	-2.204630	-2.057225	-1.801983	-1.470374	-1.091458	.50
.60	-2.305168	-2.127944	-1.848575	-1.503696	-1.124365	-.736196	.60
.70	-2.260116	-1.940344	-1.566096	-1.170883	-.780005	-.411955	.70
.80	-2.088004	-1.664529	-1.236393	-.828287	-.456215	-.129776	.80
.90	-1.809510	-1.327212	-.885638	-.497116	-.166914	.104257	.90
1.00	-1.451824	-.956507	-.537636	-.194147	.078882	.288242	1.00
1.10	-1.045802	-.579507	-.212395	.068637	.276614	.423568	1.10
1.20	-.623011	-.220265	.074750	.283975	.425507	.514034	1.20
1.30	-.212999	.101683	.313476	.448891	.527781	.565021	1.30
1.40	.158975	.372194	.498348	.564042	.587834	.582781	1.40
1.50	.473549	.582793	.628327	.632916	.611467	.573849	1.50
1.60	.718128	.730424	.706022	.661016	.605202	.544590	1.60
1.70	.887018	.816786	.736813	.655060	.575716	.500885	1.70
1.80	.980903	.847379	.727921	.622290	.529406	.447918	1.80
1.90	1.005825	.830419	.687550	.569897	.472079	.390073	1.90
2.00	.971838	.775717	.624121	.504581	.408762	.330901	2.00
2.10	.891503	.693655	.539812	.432255	.343601	.273145	2.10
2.20	.778443	.594315	.459374	.357869	.279854	.218807	2.20
2.30	.646042	.486812	.371323	.285342	.219924	.169238	2.30
2.40	.506424	.378852	.286324	.217579	.165452	.125239	2.40
2.50	.369738	.276486	.207918	.156549	.117416	.087165	2.50
2.60	.243764	.184060	.138447	.103403	.076253	.055028	2.60
2.70	.133814	.104303	.079202	.058616	.041973	.028582	2.70
2.80	.042873	.038519	.030597	.022127	.014271	.007408	2.80
2.90	-.028105	-.013156	-.007636	-.006517	-.007374	-.009025	2.90
3.00	-.079773	-.051472	-.036256	-.028035	-.023621	-.021303	3.00
3.10	-.113952	-.077795	-.056342	-.043304	-.035192	-.030026	3.10
3.20	-.133185	-.093851	-.069144	-.053270	-.042824	-.035779	3.20
3.30	-.140362	-.101518	-.075965	-.058881	-.047229	-.039110	3.30
3.40	-.138396	-.102660	-.078070	-.061034	-.049067	-.040516	3.40
3.50	-.130002	-.099010	-.076622	-.060545	-.048929	-.040438	3.50
3.60	-.117547	-.092091	-.072649	-.058132	-.047331	-.039253	3.60
3.70	-.102971	-.083181	-.067016	-.054399	-.044709	-.037282	3.70
3.80	-.087768	-.073300	-.060432	-.049848	-.041420	-.034789	3.80
3.90	-.073016	-.063224	-.053446	-.044873	-.037754	-.031983	3.90
4.00	-.059421	-.053504	-.046473	-.039778	-.033935	-.029033	4.00
4.10	-.047385	-.044506	-.039802	-.034788	-.030132	-.026066	4.10
4.20	-.037077	-.036442	-.033627	-.030057	-.026465	-.023173	4.20
4.30	-.028497	-.029405	-.028056	-.025686	-.023019	-.020423	4.30
4.40	-.021533	-.023405	-.023139	-.021731	-.019844	-.017856	4.40
4.50	-.016008	-.018390	-.018880	-.018216	-.016969	-.015501	4.50
4.60	-.011715	-.014274	-.015250	-.015138	-.014402	-.013367	4.60
4.70	-.008445	-.010951	-.012201	-.012480	-.012138	-.011456	4.70
4.80	-.005998	-.008308	-.009674	-.010210	-.010164	-.009763	4.80
4.90	-.004199	-.006235	-.007605	-.008294	-.008459	-.008277	4.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	-2.626655	-2.476942	-2.115071	-1.542070	-.781467	.129293	.00
.10	-2.283191	-1.984713	-1.526917	-.933664	-.238010	.518231	.10
.20	-1.886598	-1.496838	-1.005251	-.441900	.159245	.761246	.20
.30	-1.471780	-1.041901	-.561462	-.059315	.435740	.895647	.30
.40	-1.066503	-.637251	-.198726	.225751	.615190	.951124	.40
.50	-.691263	-.292484	.085577	.426932	.718714	.950936	.50
.60	-.359748	-.011045	.297857	.558360	.764493	.913026	.60
.70	-.225920	.208228	.446717	.633354	.767747	.851009	.70
.80	.146078	.369701	.541745	.664415	.740914	.775038	.80
.90	.318539	.479757	.592541	.652309	.693932	.692521	.90
1.00	.441406	.545840	.608622	.636249	.634561	.608726	1.00
1.10	.520183	.575713	.598052	.593860	.568717	.577633	1.10
1.20	.561361	.576925	.568240	.541282	.500789	.450516	1.20
1.30	.571777	.556451	.525374	.483328	.433925	.379892	1.30
1.40	.558132	.520476	.474525	.423655	.370284	.316137	1.40
1.50	.526650	.474288	.419728	.364948	.311256	.259494	1.50
1.60	.482864	.422255	.364084	.309088	.257638	.209867	1.60
1.70	.431504	.367861	.309884	.257311	.209788	.166927	1.70
1.80	.376465	.313781	.258737	.210344	.167746	.130204	1.80
1.90	.320823	.261975	.211694	.168529	.131325	.099148	1.90
2.00	.266905	.213795	.169358	.131919	.100192	.073173	2.00
2.10	.216372	.170089	.131987	.100359	.073921	.051692	2.10
2.20	.170315	.131304	.099584	.073557	.052040	.034138	2.20
2.30	.129359	.097575	.071962	.051132	.034060	.019978	2.30
2.40	.093758	.068803	.048813	.032656	.019500	.008722	2.40
2.50	.063480	.044730	.029747	.017680	.007898	-.000073	2.50
2.60	.038290	.024986	.014337	.005763	-.001173	-.006804	2.60
2.70	.017813	.009140	.002140	-.003520	-.008104	-.011818	2.70
2.80	.001587	-.003268	-.007278	-.010566	-.013247	-.015421	2.80
2.90	-.010892	-.012701	-.014329	-.015735	-.016912	-.017873	2.90
3.00	-.020139	-.019603	-.019397	-.019351	-.019371	-.019401	3.00
3.10	-.026654	-.024392	-.022826	-.021702	-.020858	-.020195	3.10
3.20	-.030906	-.027448	-.024896	-.023035	-.021575	-.020415	3.20
3.30	-.033325	-.029108	-.025964	-.023565	-.021691	-.020194	3.30
3.40	-.034291	-.029671	-.026174	-.023474	-.021349	-.019643	3.40
3.50	-.034138	-.029390	-.025751	-.022914	-.020666	-.018853	3.50
3.60	-.033150	-.028481	-.024861	-.022012	-.019739	-.017898	3.60
3.70	-.031565	-.027125	-.023639	-.020872	-.018646	-.016835	3.70
3.80	-.029578	-.025466	-.022198	-.019576	-.017452	-.015712	3.80
3.90	-.027346	-.023624	-.020624	-.018192	-.016204	-.014566	3.90
4.00	-.024995	-.021691	-.018989	-.016772	-.014943	-.013424	4.00
4.10	-.022619	-.019739	-.017345	-.015355	-.013696	-.012307	4.10
4.20	-.020290	-.017822	-.015732	-.013971	-.012486	-.011232	4.20
4.30	-.018059	-.015979	-.014182	-.012643	-.011329	-.010208	4.30
4.40	-.015959	-.014236	-.012712	-.011384	-.010235	-.009243	4.40
4.50	-.014014	-.012611	-.011337	-.010205	-.009210	-.008341	4.50
4.60	-.012233	-.011113	-.010064	-.009111	-.008258	-.007504	4.60
4.70	-.010621	-.009747	-.008897	-.008104	-.007381	-.006732	4.70
4.80	-.009176	-.008511	-.007834	-.007183	-.006577	-.006023	4.80
4.90	-.007890	-.007401	-.006873	-.006347	-.005844	-.005377	4.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	-.002899	-.004632	-.005930	-.006692	-.007000	-.006981	5.00
5.10	.001974	-.003406	-.004587	-.005365	-.005761	-.005861	5.10
5.20	-.001326	-.002481	-.003522	-.004275	-.004717	-.004899	5.20
5.30	-.000879	-.001790	-.002685	-.003386	-.003843	-.004078	5.30
5.40	-.000575	-.001279	-.002032	-.002667	-.003117	-.003381	5.40
5.50	-.000372	-.000906	-.001528	-.002090	-.002516	-.002793	5.50
5.60	-.000237	-.000637	-.001141	-.001629	-.002023	-.002298	5.60
5.70	-.000149	-.000443	-.000847	-.001263	-.001620	-.001885	5.70
5.80	-.000093	-.000306	-.000625	-.000972	-.001292	-.001541	5.80
5.90	-.000057	-.000210	-.000458	-.000749	-.001026	-.001256	5.90
6.00	-.000035	-.000142	-.000334	-.000572	-.000812	-.001020	6.00
6.10		-.000096	-.000242	-.000436	-.000641	-.000826	6.10
6.20		-.000064	-.000174	-.000330	-.000504	-.000668	6.20
6.30		-.000043	-.000125	-.000249	-.000395	-.000538	6.30
6.40		-.000028	-.000089	-.000188	-.000308	-.000432	6.40
6.50		-.000018	-.000063	-.000140	-.000240	-.000346	6.50
6.60		-.000012	-.000045	-.000105	-.000186	-.000277	6.60
6.70			-.000031	-.000078	-.000144	-.000221	6.70
6.80			-.000022	-.000058	-.000111	-.000176	6.80
6.90			-.000015	-.000043	-.000086	-.000140	6.90
7.00			-.000011	-.000031	-.000066	-.000111	7.00
7.10			-.000007	-.000023	-.000050	-.000087	7.10
7.20			-.000005	-.000017	-.000038	-.000069	7.20
7.30			-.000003	-.000012	-.000029	-.000054	7.30
7.40			-.000002	-.000009	-.000022	-.000043	7.40
7.50				-.000006	-.000017	-.000034	7.50
7.60				-.000005	-.000013	-.000026	7.60
7.70				-.000003	-.000010	-.000021	7.70
7.80				-.000002	-.000007	-.000016	7.80
7.90				-.000002	-.000005	-.000012	7.90
8.00				-.000001	-.000004	-.000010	8.00
8.10					-.000003	-.000007	8.10
8.20					-.000002	-.000006	8.20
8.30					-.000002	-.000005	8.30
8.40					-.000001	-.000004	8.40
8.50						-.000003	8.50
8.60						-.000002	8.60
8.70						-.000002	8.70
8.80						-.000001	8.80
8.90						-.000001	8.90
9.00						-.000001	9.00
9.10							9.10
9.20							9.20
9.30							9.30
9.40							9.40
9.50							9.50
9.60							9.60
9.70							9.70
9.80							9.80
9.90							9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	-.006755	-.006411	-.006010	-.005592	-.005180	-.004788	5.00
5.10	-.005760	-.005534	-.005239	-.004913	-.004580	-.004256	5.10
5.20	-.004893	-.004761	-.004553	-.004305	-.004040	-.003775	5.20
5.30	-.004141	-.004083	-.003946	-.003763	-.003557	-.003343	5.30
5.40	-.003493	-.003491	-.003411	-.003282	-.003125	-.002955	5.40
5.50	-.002937	-.002977	-.002942	-.002857	-.002741	-.002608	5.50
5.60	-.002461	-.002531	-.002531	-.002482	-.002400	-.002298	5.60
5.70	-.002057	-.002147	-.002173	-.002151	-.002097	-.002022	5.70
5.80	-.001714	-.001817	-.001862	-.001862	-.001830	-.001777	5.80
5.90	-.001425	-.001534	-.001592	-.001609	-.001595	-.001559	5.90
6.00	-.001181	-.001292	-.001358	-.001387	-.001388	-.001367	6.00
6.10	-.000977	-.001086	-.001157	-.001195	-.001206	-.001197	6.10
6.20	-.000806	-.000911	-.000984	-.001027	-.001046	-.001047	6.20
6.30	-.000663	-.000763	-.000835	-.000882	-.000907	-.000914	6.30
6.40	-.000545	-.000638	-.000708	-.000756	-.000785	-.000798	6.40
6.50	-.000447	-.000532	-.000599	-.000648	-.000679	-.000696	6.50
6.60	-.000365	-.000443	-.000506	-.000554	-.000587	-.000606	6.60
6.70	-.000298	-.000368	-.000427	-.000473	-.000506	-.000528	6.70
6.80	-.000243	-.000306	-.000360	-.000404	-.000437	-.000459	6.80
6.90	-.000198	-.000254	-.000303	-.000344	-.000376	-.000399	6.90
7.00	-.000160	-.000210	-.000255	-.000293	-.000324	-.000346	7.00
7.10	-.000130	-.000173	-.000214	-.000249	-.000278	-.000300	7.10
7.20	-.000105	-.000143	-.000180	-.000212	-.000239	-.000261	7.20
7.30	-.000085	-.000118	-.000150	-.000180	-.000205	-.000226	7.30
7.40	-.000069	-.000097	-.000126	-.000153	-.000176	-.000195	7.40
7.50	-.000055	-.000080	-.000105	-.000129	-.000151	-.000169	7.50
7.60	-.000044	-.000066	-.000088	-.000109	-.000129	-.000146	7.60
7.70	-.000036	-.000054	-.000073	-.000093	-.000111	-.000126	7.70
7.80	-.000029	-.000044	-.000061	-.000078	-.000095	-.000109	7.80
7.90	-.000023	-.000036	-.000051	-.000066	-.000081	-.000094	7.90
8.00	-.000018	-.000029	-.000042	-.000056	-.000069	-.000081	8.00
8.10	-.000015	-.000024	-.000035	-.000047	-.000059	-.000070	8.10
8.20	-.000012	-.000020	-.000029	-.000040	-.000050	-.000060	8.20
8.30	-.000009	-.000016	-.000024	-.000033	-.000043	-.000052	8.30
8.40	-.000007	-.000013	-.000020	-.000028	-.000037	-.000045	8.40
8.50	-.000006	-.000011	-.000017	-.000024	-.000031	-.000039	8.50
8.60	-.000005	-.000009	-.000014	-.000020	-.000026	-.000033	8.60
8.70	-.000004	-.000007	-.000011	-.000017	-.000023	-.000029	8.70
8.80	-.000003	-.000006	-.000009	-.000014	-.000019	-.000025	8.80
8.90	-.000002	-.000005	-.000008	-.000012	-.000016	-.000021	8.90
9.00	-.000002	-.000004	-.000006	-.000010	-.000014	-.000018	9.00
9.10	-.000002	-.000003	-.000005	-.000008	-.000012	-.000016	9.10
9.20	-.000001	-.000002	-.000004	-.000007	-.000010	-.000013	9.20
9.30	-.000001	-.000002	-.000004	-.000006	-.000008	-.000011	9.30
9.40	-.000001	-.000002	-.000003	-.000005	-.000007	-.000010	9.40
9.50	-.000001	-.000001	-.000002	-.000004	-.000006	-.000008	9.50
9.60		-.000001	-.000002	-.000003	-.000005	-.000007	9.60
9.70		-.000001	-.000002	-.000003	-.000004	-.000006	9.70
9.80		-.000001	-.000001	-.000002	-.000004	-.000005	9.80
9.90		-.000001	-.000001	-.000002	-.000003	-.000005	9.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
10.00							10.00
10.10							10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
10.00			-.000001	-.000002	-.000003	-.000004	10.00
10.10			-.000001	-.000001	-.000002	-.000003	10.10
10.20			-.000001	-.000001	-.000002	-.000003	10.20
10.30			-.000001	-.000001	-.000002	-.000002	10.30
10.40				-.000001	-.000001	-.000002	10.40
10.50				-.000001	-.000001	-.000002	10.50
10.60				-.000001	-.000001	-.000002	10.60
10.70					-.000001	-.000001	10.70
10.80					-.000001	-.000001	10.80
10.90					-.000001	-.000001	10.90
11.00						-.000001	11.00
11.10						-.000001	11.10
11.20						-.000001	11.20
11.30						-.000001	11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00	.000175						-6.00
-5.90	.000282						-5.90
-5.80	.000447						-5.80
-5.70	.000700						-5.70
-5.60	.001081						-5.60
-5.50	.001648	.000447					-5.50
-5.40	.002477	.000786					-5.40
-5.30	.003672	.001349					-5.30
-5.20	.005364	.002265					-5.20
-5.10	.007720	.003718					-5.10
-5.00	.010942	.005964	.001401				-5.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-9.90							-9.90
-9.80							-9.80
-9.70							-9.70
-9.60							-9.60
-9.50							-9.50
-9.40							-9.40
-9.30							-9.30
-9.20							-9.20
-9.10							-9.10
-9.00							-9.00
-8.90							-8.90
-8.80							-8.80
-8.70							-8.70
-8.60							-8.60
-8.50							-8.50
-8.40							-8.40
-8.30							-8.30
-8.20							-8.20
-8.10							-8.10
-8.00							-8.00
-7.90							-7.90
-7.80							-7.80
-7.70							-7.70
-7.60							-7.60
-7.50							-7.50
-7.40							-7.40
-7.30							-7.30
-7.20							-7.20
-7.10							-7.10
-7.00							-7.00
-6.90							-6.90
-6.80							-6.80
-6.70							-6.70
-6.60							-6.60
-6.50							-6.50
-6.40							-6.40
-6.30							-6.30
-6.20							-6.20
-6.10							-6.10
-6.00							-6.00
-5.90							-5.90
-5.80							-5.80
-5.70							-5.70
-5.60							-5.60
-5.50							-5.50
-5.40							-5.40
-5.30							-5.30
-5.20							-5.20
-5.10							-5.10
-5.00							-5.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
-4.90	.015267	.009347	.002766				-4.90
-4.80	.020954	.014312	.005236				-4.80
-4.70	.028274	.021396	.009515				-4.70
-4.60	.037474	.031216	.016605				-4.60
-4.50	.048736	.044414	.027840				-4.50
-4.40	.062116	.061567	.044852	.013863			-4.40
-4.30	.077464	.083049	.069421	.029156			-4.30
-4.20	.094326	.108841	.103173	.056718			-4.20
-4.10	.111837	.138280	.147080	.102430			-4.10
-4.00	.128611	.169792	.200769	.172160	.045017		-4.00
-3.90	.142641	.200610	.261691	.269650	.117666		-3.90
-3.80	.151238	.226551	.324272	.393475	.259945		-3.80
-3.70	.151024	.241913	.379259	.533619	.495046		-3.70
-3.60	.138020	.239563	.413503	.668647	.822975		-3.60
-3.50	.107844	.211314	.410484	.764762	1.200746	.742856	-3.50
-3.40	.056066	.148638	.351775	.778218	1.531759	1.764469	-3.40
-3.30	-.021297	.043742	.219572	.661208	1.674232	3.080073	-3.30
-3.20	-.127125	-.109010	.000159	.372046	1.472443	4.108961	-3.20
-3.10	-.262416	-.311448	-.312050	-.112822	.805005	4.095235	-3.10
-3.00	-.425457	-.559902	-.710518	-.786892	-.364035	2.484221	-3.00
-2.90	-.611017	-.843721	-1.173459	-1.605106	-1.949117	-.757276	-2.90
-2.80	-.809701	-1.144331	-1.662462	-2.481732	-3.736776	-5.045593	-2.80
-2.70	-1.007607	-1.435140	-2.123635	-3.296576	-5.414832	-9.343178	-2.70
-2.60	-1.186451	-1.682587	-2.491694	-3.909747	-6.720425	-12.49085	-2.60
-2.50	-1.324208	-1.848487	-2.696991	-4.183196	-7.073686	-13.56574	-2.50
-2.40	-1.396544	-1.893676	-2.674851	-4.005451	-6.533877	-12.13850	-2.40
-2.30	-1.378834	-1.782727	-2.376055	-3.314841	-4.966528	-8.363173	-2.30
-2.20	-1.248851	-1.489294	-1.776879	-2.116465	-2.502962	-2.900863	-2.20
-2.10	-.989868	-1.001128	-.886935	-.489062	.567018	3.273070	-2.10
-2.00	-.593901	-.326029	.246817	1.420125	3.844994	9.107213	-2.00
-1.90	-.064672	.508204	1.541012	3.412172	6.893098	13.691811	-1.90
-1.80	.580144	1.450348	2.882212	5.262389	9.306193	16.410943	-1.80
-1.70	1.307853	2.429501	4.138184	6.751069	10.775134	17.010500	-1.70
-1.60	2.071248	3.360003	5.172815	7.693951	11.128417	15.586539	-1.60
-1.50	2.810937	4.149259	5.862695	7.957495	10.348409	12.514059	-1.50
-1.40	3.459534	4.707433	6.113044	7.525126	8.562045	8.342962	-1.40
-1.30	3.947529	4.957908	5.870642	6.402253	6.010840	3.687149	-1.30
-1.20	4.210340	4.847185	5.131842	4.709910	3.007841	-.872959	-1.20
-1.10	4.195847	4.352868	3.786317	2.618573	-.109997	-4.861982	-1.10
-1.00	3.871531	3.488518	2.403342	.335208	-3.026213	-7.950511	-1.00
-.90	3.230259	2.304551	.639885	-1.922775	-5.480152	-9.966922	-.90
-.80	2.293820	.884850	-1.192420	-3.952789	-7.289797	-10.88572	-.80
-.70	1.113544	-.660680	-2.935015	-5.588315	-8.361193	-10.80001	-.70
-.60	-.232372	-2.206781	-4.441265	-6.713777	-8.685678	-9.885928	-.60
-.50	-1.644805	-3.625505	-5.591378	-7.271912	-8.327546	-8.365606	-.50
-.40	-3.012214	-4.799309	-6.303511	-7.263647	-7.405560	-6.473884	-.40
-.30	-4.222257	-5.632987	-6.364810	-6.741491	-6.071759	-4.431674	-.30
-.20	-5.171124	-6.063022	-6.308038	-5.798132	-4.490653	-2.427427	-.20
-.10	-5.776254	-6.063275	-5.656056	-4.552304	-2.821126	-.606621	-.10
.00	-5.984135	-5.646455	-4.665204	-3.133923	-1.202514	.931715	.00

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
-4.90							-4.90
-4.80							-4.80
-4.70							-4.70
-4.60							-4.60
-4.50							-4.50
-4.40							-4.40
-4.30							-4.30
-4.20							-4.20
-4.10							-4.10
-4.00							-4.00
-3.90							-3.90
-3.80							-3.80
-3.70							-3.70
-3.60							-3.60
-3.50							-3.50
-3.40							-3.40
-3.30							-3.30
-3.20	26.875960						-3.20
-3.10	8.895339						-3.10
-3.00	14.844781						-3.00
-2.90	11.870834						-2.90
-2.80	.511734						-2.80
-2.70	-14.54133	49.586240					-2.70
-2.60	-26.74182	-50.43212					-2.60
-2.50	-31.55201	-100.9999					-2.50
-2.40	-27.79824	-93.03413	-897.1775				-2.40
-2.30	-17.22889	-51.64289	-371.6563				-2.30
-2.20	-3.200061	-3.279440	-6.531180	14261.298			-2.20
-2.10	10.702406	35.142528	156.15605	2561.9104			-2.10
-2.00	21.648976	56.825503	190.10374	1209.5822			-2.00
-1.90	28.031135	62.079701	138.10092	540.76774	-1793.994		-1.90
-1.80	29.481130	54.921276	106.57407	232.57201	-1241.483	-21843131	-1.80
-1.70	26.608535	40.473714	53.588006	5.612894	-846.0655	-27894.86	-1.70
-1.60	20.618004	23.393943	11.107951	-75.76662	-565.6321	-3569.339	-1.60
-1.50	12.932907	7.147980	-17.91647	-102.2365	-368.8605	-953.1063	-1.50
-1.40	4.898190	-6.141522	-34.40810	-100.0908	-232.5508	-304.3152	-1.40
-1.30	-2.409460	-15.52843	-40.94149	-84.79357	-139.5989	-81.95704	-1.30
-1.20	-8.267851	-20.94228	-40.46917	-65.13526	-77.45935	4.106084	-1.20
-1.10	-12.31332	-22.86993	-35.67140	-45.81429	-36.98463	36.888914	-1.10
-1.00	-14.49033	-22.08158	-28.68817	-29.06763	-11.54861	46.646847	-1.00
-.90	-14.97304	-19.42548	-21.06770	-15.70089	3.611887	46.164258	-.90
-.80	-14.08005	-15.69277	-13.82424	-5.732500	11.890584	41.340786	-.80
-.70	-12.19660	-11.54227	-7.541844	1.210768	15.680242	35.022093	-.70
-.60	-9.712425	-7.470641	-2.484734	5.659817	16.646714	28.587090	-.60
-.50	-6.978085	-3.813356	1.301813	8.169192	15.931861	22.674434	-.50
-.40	-4.279153	-7.63934	3.909282	9.248079	14.303076	17.539966	-.40
-.30	-1.825508	1.598081	5.503477	9.329346	12.262853	13.241811	-.30
-.20	.247988	3.277084	6.280186	8.761196	10.128576	9.739410	-.20
-.10	1.873235	4.333462	6.435881	7.811120	8.090226	6.947384	-.10
.00	3.036428	4.859952	6.150084	6.675819	6.251738	4.764787	.00

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
.00	-5.984135	-5.646455	-4.665204	-3.133923	-1.202514	-.931715	.00
.10	-5.776254	-4.861356	-3.438799	-1.670337	.254500	2.132985	.10
.20	-5.171124	-3.786395	-2.090353	-.274980	1.472275	2.981242	.20
.30	-4.222257	-2.520401	-.731916	.960727	2.406462	3.491248	.30
.40	-3.012214	-1.171892	.536015	1.971948	3.043064	3.699785	.40
.50	-1.644805	.151841	1.632165	2.721665	3.393319	3.657272	.50
.60	-.232372	1.354605	2.499227	3.199050	3.487452	3.420390	.60
.70	1.113544	2.359129	3.105617	3.415727	3.368150	3.046137	.70
.80	2.293820	3.112206	3.444507	3.400697	3.084467	2.587429	.80
.90	3.230259	3.586870	3.530678	3.194705	2.686604	2.090218	.90
1.00	3.871531	3.781737	3.395867	2.844710	2.221834	1.591942	1.00
1.10	4.195847	3.717924	3.083342	2.398951	1.731648	1.121050	1.10
1.20	4.210340	3.434203	2.642373	1.902952	1.250054	.697352	1.20
1.30	3.947529	2.981144	2.123169	1.396604	.802892	.332911	1.30
1.40	3.459534	2.414999	1.572664	.912359	.407952	-.033260	1.40
1.50	2.810937	1.792005	1.031410	.474437	.075673	-.201246	1.50
1.60	2.071248	1.163611	.531626	.098868	-.189775	-.374091	1.60
1.70	1.307853	.572967	.096362	-.205823	-.389234	-.491358	1.70
1.80	.580144	.052784	-.260397	-.437511	-.527257	-.560670	1.80
1.90	-.064672	-.375458	-.532887	-.599134	-.610882	-.590313	1.90
2.00	-.593901	-.701132	-.722234	-.697299	-.648554	-.588568	2.00
2.10	-.989868	-.913199	-.809084	-.740958	-.649236	-.563231	2.10
2.20	-1.248851	-1.048345	-.880804	-.740237	-.621724	-.521293	2.20
2.30	-1.378834	-1.088823	-.872200	-.705481	-.574151	-.468771	2.30
2.40	-1.396544	-1.060287	-.821890	-.646523	-.513679	-.410636	2.40
2.50	-1.324208	-.979805	-.742355	-.572181	-.446329	-.350831	2.50
2.60	-1.186451	-.864201	-.644933	-.489957	-.376936	-.292338	2.60
2.70	-1.007607	-.728816	-.539310	-.405909	-.309189	-.237290	2.70
2.80	-.809701	-.586683	-.433276	-.324649	-.245729	-.187092	2.80
2.90	-.611017	-.448101	-.332680	-.249447	-.188292	-.142554	2.90
3.00	-.425457	-.320545	-.241545	-.182391	-.137856	-.104005	3.00
3.10	-.262416	-.208830	-.162278	-.124581	-.094796	-.071429	3.10
3.20	-.127125	-.115450	-.095950	-.076334	-.059035	-.044545	3.20
3.30	-.021297	-.041016	-.042586	-.037380	-.030168	-.022905	3.30
3.40	.056066	.015276	-.001451	-.007041	-.007579	-.005958	3.40
3.50	.107844	.055191	.028687	.015614	.009469	.006895	3.50
3.60	.138020	.081059	.049341	.031649	.021765	.016260	3.60
3.70	.151024	.095440	.062130	.042162	.030093	.022718	3.70
3.80	.151238	.100881	.068649	.048214	.035196	.026809	3.80
3.90	.142641	.099734	.070375	.050783	.037750	.029018	3.90
4.00	.128611	.094057	.068614	.050736	.038353	.029771	4.00
4.10	.111837	.085556	.064474	.048815	.037518	.029431	4.10
4.20	.094326	.075579	.058859	.045636	.035673	.028304	4.20
4.30	.077464	.065141	.052475	.041691	.033167	.026640	4.30
4.40	.062116	.054955	.045856	.037366	.030277	.024639	4.40
4.50	.048736	.045489	.039380	.032946	.027214	.022458	4.50
4.60	.037474	.037012	.033302	.028639	.024137	.020216	4.60
4.70	.028274	.029644	.027773	.024583	.021160	.018002	4.70
4.80	.020954	.023399	.022872	.020863	.018359	.015877	4.80
4.90	.015267	.018220	.018617	.017524	.015780	.013884	4.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
.00	3.036428	4.859952	6.150084	6.675819	6.251738	4.764787	.00
.10	3.764079	4.963167	5.576252	5.493291	4.660385	3.090633	.10
.20	4.109449	4.750215	4.838542	4.354939	3.327388	1.831652	.20
.30	4.140621	4.319865	4.032352	3.316558	2.242176	.905655	.30
.40	3.930837	3.757417	3.227075	2.407733	1.382071	.203484	.40
.50	3.551296	3.132436	2.469942	1.639509	.718714	-.216483	.50
.60	3.066280	2.498523	1.790194	1.010443	.222193	-.519178	.60
.70	2.500095	1.894408	1.203125	.511222	-.136437	-.704349	.70
.80	1.986914	1.345841	.713700	.128065	-.383710	-.802822	.80
.90	1.468665	.867818	.319643	-.154839	-.543055	-.838819	.90
1.00	.997981	.466872	.013947	-.353672	-.634561	-.831126	1.00
1.10	.588480	.143223	-.213162	-.483906	-.675048	-.799963	1.10
1.20	.246555	-.107330	-.372754	-.559657	-.678305	-.738617	1.20
1.30	-.027004	-.291823	-.476136	-.593360	-.655415	-.672661	1.30
1.40	-.235490	-.418856	-.534137	-.595648	-.615113	-.602070	1.40
1.50	-.384920	-.497630	-.556659	-.575384	-.564151	-.530962	1.50
1.60	-.482913	-.537238	-.552429	-.539782	-.507631	-.462145	1.60
1.70	-.537788	-.546198	-.528908	-.494574	-.449308	-.397442	1.70
1.80	-.557885	-.532154	-.492291	-.444204	-.391863	-.337936	1.80
1.90	-.551088	-.501728	-.447585	-.392019	-.322869	-.284173	1.90
2.00	-.524515	-.460475	-.398722	-.340461	-.286261	-.236315	2.00
2.10	-.484347	-.412908	-.348694	-.291231	-.239949	-.194255	2.10
2.20	-.435762	-.362581	-.299695	-.245447	-.198488	-.157714	2.20
2.30	-.382945	-.312187	-.253259	-.203769	-.161911	-.126298	2.30
2.40	-.329152	-.263683	-.210383	-.166512	-.130066	-.099556	2.40
2.50	-.276808	-.218407	-.171645	-.133735	-.102677	-.077009	2.50
2.60	-.227620	-.177197	-.137300	-.105316	-.079392	-.058182	2.60
2.70	-.182699	-.140495	-.107364	-.081012	-.059819	-.042614	2.70
2.80	-.142668	-.108440	-.081682	-.060501	-.043554	-.029872	2.80
2.90	-.107778	-.080951	-.059987	-.043420	-.030199	-.019560	2.90
3.00	-.077994	-.057791	-.041940	-.029389	-.019371	-.011318	3.00
3.10	-.053083	-.038624	-.027165	-.018032	-.010715	-.004823	3.10
3.20	-.032678	-.023053	-.015273	-.008988	-.003906	.000208	3.20
3.30	-.016331	-.010658	-.005883	-.001918	.001348	.004024	3.30
3.40	-.003556	.001017	.001367	.003485	.005306	.006839	3.40
3.50	.006139	.006275	.006814	.007498	.008195	.008839	3.50
3.60	.013228	.011598	.010761	.010367	.010212	.010180	3.60
3.70	.018156	.015297	.013480	.012305	.011527	.010996	3.70
3.80	.021325	.017679	.015207	.013496	.012283	.011399	3.80
3.90	.023094	.019012	.016148	.014099	.012602	.011482	3.90
4.00	.023772	.019527	.016476	.014245	.012583	.011321	4.00
4.10	.023625	.019421	.016338	.014045	.012312	.010980	4.10
4.20	.022874	.018856	.015856	.013591	.011857	.010510	4.20
4.30	.021701	.017966	.015129	.012956	.011272	.009952	4.30
4.40	.020251	.016860	.014238	.012200	.010603	.009339	4.40
4.50	.018642	.015623	.013246	.011372	.009885	.008697	4.50
4.60	.016962	.014323	.012204	.010508	.009145	.008046	4.60
4.70	.015279	.013010	.011150	.009636	.008405	.007401	4.70
4.80	.013642	.011722	.010112	.008779	.007679	.006773	4.80
4.90	.012085	.010486	.009111	.007951	.006980	.006170	4.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
5.00	.010942	.014005	.014991	.014581	.013449	.012048	5.00
5.10	.007720	.010635	.011950	.012026	.011373	.010381	5.10
5.20	.005364	.007983	.009436	.009839	.009549	.008888	5.20
5.30	.003672	.005926	.007384	.007988	.007964	.007564	5.30
5.40	.002477	.004352	.005729	.006439	.006601	.006402	5.40
5.50	.001648	.003164	.004409	.005155	.005439	.005391	5.50
5.60	.001081	.002277	.003367	.004101	.004457	.004518	5.60
5.70	.000700	.001623	.002552	.003242	.003634	.003769	5.70
5.80	.000447	.001146	.001920	.002543	.002948	.003130	5.80
5.90	.000282	.000802	.001435	.001992	.002380	.002590	5.90
6.00	.000175	.000556	.001065	.001549	.001913	.002134	6.00
6.10		.000382	.000786	.001198	.001531	.001753	6.10
6.20		.000261	.000576	.000922	.001220	.001434	6.20
6.30		.000176	.000420	.000706	.000969	.001170	6.30
6.40		.000118	.000304	.000538	.000766	.000951	6.40
6.50		.000079	.000219	.000409	.000604	.000771	6.50
6.60		.000052	.000157	.000309	.000474	.000623	6.60
6.70			.000112	.000232	.000371	.000502	6.70
6.80			.000079	.000174	.000290	.000403	6.80
6.90			.000056	.000130	.000225	.000323	6.90
7.00			.000039	.000097	.000175	.000259	7.00
7.10			.000027	.000072	.000135	.000206	7.10
7.20			.000019	.000053	.000104	.000164	7.20
7.30			.000013	.000039	.000080	.000130	7.30
7.40			.000009	.000029	.000061	.000103	7.40
7.50				.000021	.000047	.000082	7.50
7.60				.000015	.000036	.000064	7.60
7.70				.000011	.000027	.000051	7.70
7.80				.000008	.000021	.000040	7.80
7.90				.000006	.000016	.000031	7.90
8.00				.000004	.000012	.000024	8.00
8.10					.000009	.000019	8.10
8.20					.000007	.000015	8.20
8.30					.000005	.000012	8.30
8.40					.000004	.000009	8.40
8.50						.000007	8.50
8.60						.000005	8.60
8.70						.000004	8.70
8.80						.000003	8.80
8.90						.000003	8.90
9.00						.000002	9.00
9.10							9.10
9.20							9.20
9.30							9.30
9.40							9.40
9.50							9.50
9.60							9.60
9.70							9.70
9.80							9.80
9.90							9.90

t	SKEWNESS						t
	.6	.7	.8	.9	1.0	1.1	
5.00	.010631	.009320	.008162	.007164	.006315	.005598	5.00
5.10	.009292	.008236	.007273	.006424	.005690	.005061	5.10
5.20	.008075	.007240	.006451	.005737	.005107	.004550	5.20
5.30	.006980	.006334	.005697	.005103	.004568	.004096	5.30
5.40	.006004	.005517	.005010	.004523	.004074	.003670	5.40
5.50	.005140	.004785	.004391	.003996	.003622	.003279	5.50
5.60	.004382	.004135	.003835	.003520	.003212	.002923	5.60
5.70	.003721	.003560	.003339	.003091	.002841	.002600	5.70
5.80	.003148	.003055	.002898	.002708	.002507	.002308	5.80
5.90	.002654	.002614	.002509	.002366	.002207	.002045	5.90
6.00	.002230	.002230	.002166	.002063	.001940	.001809	6.00
6.10	.001867	.001897	.001865	.001795	.001701	.001597	6.10
6.20	.001559	.001609	.001603	.001558	.001490	.001408	6.20
6.30	.001298	.001362	.001374	.001350	.001302	.001239	6.30
6.40	.001078	.001150	.001176	.001168	.001136	.001090	6.40
6.50	.000893	.000968	.001004	.001008	.000920	.000957	6.50
6.60	.000737	.000814	.000856	.000869	.000861	.000839	6.60
6.70	.000608	.000683	.000728	.000748	.000749	.000735	6.70
6.80	.000500	.000572	.000618	.000643	.000650	.000643	6.80
6.90	.000410	.000478	.000524	.000552	.000563	.000562	6.90
7.00	.000336	.000398	.000444	.000473	.000487	.000490	7.00
7.10	.000274	.000332	.000375	.000405	.000421	.000428	7.10
7.20	.000224	.000276	.000317	.000346	.000364	.000373	7.20
7.30	.000182	.000229	.000267	.000295	.000314	.000324	7.30
7.40	.000148	.000190	.000225	.000252	.000271	.000282	7.40
7.50	.000120	.000157	.000189	.000215	.000233	.000245	7.50
7.60	.000097	.000130	.000159	.000183	.000201	.000213	7.60
7.70	.000078	.000107	.000133	.000155	.000172	.000185	7.70
7.80	.000063	.000088	.000112	.000132	.000148	.000160	7.80
7.90	.000051	.000073	.000093	.000112	.000127	.000139	7.90
8.00	.000041	.000060	.000078	.000095	.000109	.000120	8.00
8.10	.000033	.000049	.000065	.000080	.000093	.000104	8.10
8.20	.000026	.000040	.000054	.000068	.000080	.000090	8.20
8.30	.000021	.000033	.000045	.000057	.000068	.000078	8.30
8.40	.000017	.000027	.000038	.000049	.000059	.000067	8.40
8.50	.000014	.000022	.000031	.000041	.000050	.000058	8.50
8.60	.000011	.000018	.000026	.000035	.000043	.000050	8.60
8.70	.000009	.000015	.000022	.000029	.000036	.000043	8.70
8.80	.000007	.000012	.000018	.000025	.000031	.000037	8.80
8.90	.000005	.000010	.000015	.000021	.000027	.000032	8.90
9.00	.000004	.000008	.000012	.000017	.000023	.000028	9.00
9.10	.000003	.000006	.000010	.000015	.000019	.000024	9.10
9.20	.000003	.000005	.000008	.000012	.000016	.000020	9.20
9.30	.000002	.000004	.000007	.000010	.000014	.000018	9.30
9.40	.000002	.000003	.000006	.000009	.000012	.000015	9.40
9.50	.000001	.000003	.000005	.000007	.000010	.000013	9.50
9.60	.000001	.000002	.000004	.000006	.000009	.000011	9.60
9.70		.000002	.000003	.000005	.000007	.000010	9.70
9.80		.000001	.000003	.000004	.000006	.000008	9.80
9.90		.000001	.000002	.000004	.000005	.000007	9.90

t	SKEWNESS						t
	.0	.1	.2	.3	.4	.5	
10.00							10.00
10.10							10.10
10.20							10.20
10.30							10.30
10.40							10.40
10.50							10.50
10.60							10.60
10.70							10.70
10.80							10.80
10.90							10.90
11.00							11.00
11.10							11.10
11.20							11.20
11.30							11.30
11.40							11.40
11.50							11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

t	SKEWNESS						t
	6	7	.8	.9	1.0	1.1	
10.00		.000001	.000002	.000003	.000004	.000006	10.00
10.10		.000001	.000001	.000002	.000004	.000005	10.10
10.20		.000001	.000001	.000002	.000003	.000004	10.20
10.30			.000001	.000002	.000003	.000004	10.30
10.40			.000001	.000001	.000002	.000003	10.40
10.50			.000001	.000001	.000002	.000003	10.50
10.60			.000001		.000002	.000002	10.60
10.70				.000001	.000001	.000002	10.70
10.80				.000001	.000001	.000002	10.80
10.90				.000001	.000001	.000001	10.90
11.00					.000001	.000001	11.00
11.10					.000001	.000001	11.10
11.20					.000001	.000001	11.20
11.30					.000001	.000001	11.30
11.40						.000001	11.40
11.50						.000001	11.50
11.60							11.60
11.70							11.70
11.80							11.80
11.90							11.90
12.00							12.00
12.10							12.10
12.20							12.20
12.30							12.30
12.40							12.40
12.50							12.50
12.60							12.60
12.70							12.70
12.80							12.80
12.90							12.90
13.00							13.00
13.10							13.10
13.20							13.20
13.30							13.30
13.40							13.40
13.50							13.50
13.60							13.60
13.70							13.70
13.80							13.80
13.90							13.90
14.00							14.00
14.10							14.10
14.20							14.20
14.30							14.30
14.40							14.40
14.50							14.50
14.60							14.60
14.70							14.70
14.80							14.80
14.90							14.90

